



WORLD

SPECIAL SHOW PREVIEW



10th INTERNATIONAL TRADE FAIR
FOR METAL PACKAGING

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MESSE
ESSEN



SUSTAINABLE

PRODUCTION SOLUTIONS FOR THE GLOBAL CAN INDUSTRY

***Be part of the future
of can making***

Halle 3 Stand C47



STOLLE MACHINERY

GREETINGS

Dear exhibitors, dear visitors,

The world's leading trade fair for metal packaging is back! After a break due to the pandemic, we would like to welcome you to METPACK 2023 at MESSE ESSEN. It has taken six years for this unique and international platform for metal packaging to open its doors – finally! Because the industry is facing current economic, climate and global political challenges, resource-saving production processes are more in demand than ever, and the topic of recycling is gaining even more momentum. It is therefore all the more important to be up to date, to get an overview of the market, to learn about innovations and – what is so much appreciated about the “trade fair” format – to make and maintain contacts in person, live and in color.

METPACK 2023 offers optimal conditions for this. As an excellent industry event with a cutting-edge program, it provides important impulses to the global metal packaging industry. Around 350 exhibitors from 28 nations – from global players to hidden champions – will present their trend-setting innovations for the production, coating, printing and recycling of metal packaging in three halls. Practical information and numerous networking opportunities await the highly specialized trade audience. Daily live demonstrations will showcase impressive mechanical engineering and engineering skills at the highest level. In addition, the METPACK Innovation Award will honor outstanding new and further developments in the bronze, silver and gold categories. Top experts will also meet at the METPACK Conference to exchange views on technological innovations and present projects. Look forward to high-caliber, technical and scientific presentations from speakers around the globe.

As you can see, at METPACK you can make yourself and your business fit for the future. Five exciting trade fair days with profitable discussions and valuable input lie ahead.

We wish you good business and a pleasant stay in the Ruhr metropolis Essen. We are pleased that you are our guests.



Thomas Kufen
Lord Mayor of the City of Essen
and Chairman of the Supervisory
Board of MESSE ESSEN

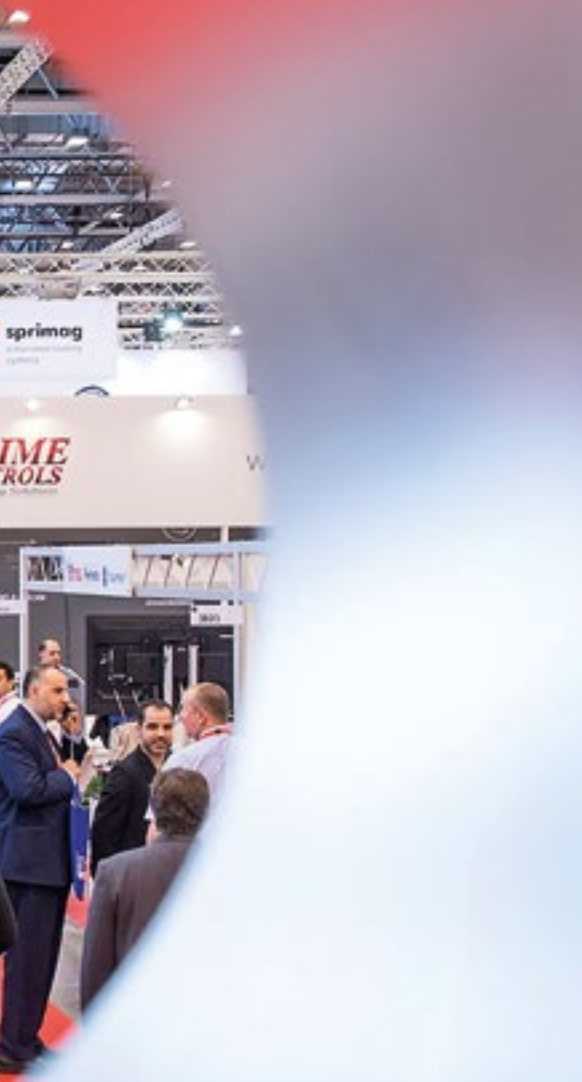


Oliver P. Kuhrt
Managing Director of MESSE ESSEN



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Each respective exhibitor is responsible for the content of his article in the exhibitors' preview.

INTERVIEW

IN INTERVIEW: CHRISTINA KLEINPASS, METPACK PROJECT MANAGER AND WOLFGANG NIEMSCH, CHAIRMAN OF THE METPACK COMMITTEE

METPACK could not take place for six years due to the pandemic. The time has finally come again in 2023. What are you most looking forward to?

Christina Kleinpaß: Above all, I am looking forward to a warm reunion with the industry. Even though we've had a very lively exchange and close contact over the past few years, there's no digital alternative to a face-to-face meeting. The enthusiasm about new products and further developments can be felt at every booth. METPACK radiates a high level of internationality and great innovative strength. To finally experience this unique trade fair feeling again together with our exhibitors and visitors is what METPACK is all about for me. I am looking forward to this most of all.

How has the metal packaging industry experienced the forced break and what has changed in the market during these six years?

Wolfgang Niemsch: Our industry has also been guided by megatrends in recent years. Packaging per se is being questioned in an era of waste reduction and is not exactly considered "sexy." However, we can see that metal packaging is gaining in value and increasingly substituting plastic packaging.

Likewise, we will certainly be able to find the topics of decarbonization and digitalization among many exhibitors at this trade show, and with an upward dynamic development. These topics are becoming increasingly important for their customers. Another issue that concerns the entire industry, especially in Europe, is the lack of skilled workers. The prevailing personnel situation has become more and more the basis for location decisions. Otherwise, our

industry has been able to cope well with the crises of the past three years.

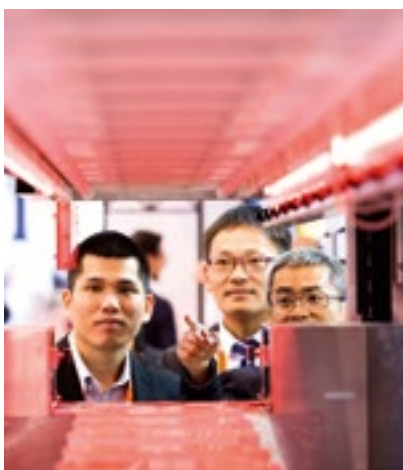
Where does METPACK stand in 2023?

Wolfgang Niemsch: As a co-founder of METPACK, I still remember the beginnings well. We started in Essen in 1993 with 150 exhibitors from 20 nations. Even then, the first METPACK at MESSE ESSEN was very international, so that the new format quickly established itself as the leading trade fair. For a few years now, the share of exhibitors and visitors from abroad has been over 80 percent. METPACK is and remains the must-attend event for the entire global metal packaging industry. It is a breeding ground for many outstanding technological innovations and success stories.

Christina Kleinpaß: This year, METPACK once again underlines its position as the leading industry platform. In 2023, we are at over 300 companies from 26 nations. We have added Nippon Steel, for example, and Metlac is also back. METPACK is growing, in line with the overall size of the industry, in small steps but steadily. Our trade visitors are highly specialized and come to Essen from all continents. At no other trade fair do supply and demand match so closely.

What highlights await the visitors?

Christina Kleinpaß: The accompanying METPACK Conference is definitely one of the highlights. Top speakers along the entire value chain of the metal packaging industry will discuss technical innovations and current projects: from tinplate manufacturer Nippon Steel and surface



treatment specialist Plasmatreat to can manufacturer Crown Holdings and chemical suppliers Henkel and Chrotex to coating specialist Koenig & Bauer MetalPrint. We are particularly pleased that Dr. Daniel Abramowicz from Crown Holdings will open the conference with a keynote address. A highlight of the conference will certainly be the presentation by Plasmatreat in a trio with project partners Brasilata and Actega. Other contributions will come from Stolle, SLAC and Enpack.

Wolfgang Niemsch: For me, the renowned Innovation Award is one of the highlights of METPACK. An independent jury of trade visitors decides on bronze, silver and gold. It is always exciting to see who among the participating exhibitors makes the running for the best technical advancement. This future-oriented competition clearly demonstrates the innovative power emanating from the industry. We cordially invite all interested parties to attend the awards ceremony on the second day of the trade show at the Congress Center West. Incidentally, you can recognize the winners by the way they proudly display their trophies at the stands.

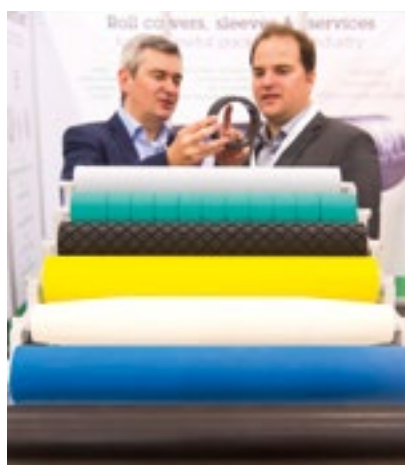
Christina Kleinpaß: And if you would like to take a leap back in time, you should stop by at booth 1E54. There, historical packaging machines are on display. You'll be amazed at how rapidly the industry has developed technically. We look forward to seeing you there!



Christina Kleinpaß



Wolfgang Niemsch



METPACK
2017

ESSEN
GERMANY
MAY 2-6

15 YEARS

METPACK INNOVATION AWARD RECOGNIZES TREND-SETTING PRODUCTS

MESSE
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AWARD CEREMONY IN THE GOLD, SILVER AND BRONZE
CATEGORIES ON 3 MAY



KBA-MetalPrint GmbH

PrintableLED s.r.l.

Valspar



With the presentation of the METPACK Innovation Award, outstanding, future-oriented products will be in the limelight at the world's leading fair for metal packaging at MESSE ESSEN from 2 to 6 May 2023. In the run-up to the fair, all exhibitors were invited to have their innovations assessed by a jury of international experts. The winners in the gold, silver and bronze categories will be announced in a festive award ceremony on the second day of the fair. The METPACK Innovation Award is regarded as a worldwide seal of quality for innovative metal packaging technology and is the only one of its kind.

The METPACK Innovation Award is open to exhibitors whose products make a special contribution to quality improvement and cost reduction in the manufacture of metal packaging. The industry can be curious to see who will win the race for the renowned Innovation Award in 2023. The award ceremony will take place in the Panorama Hall in the Congress Center West at MESSE ESSEN at 2 p.m. on 3 May. All fair guests are cordially invited to attend.

The winners in 2017

The Italian company PrintabLED received the METPACK Innovation Award in gold in 2017 for its high-power UV LED systems of the same name for lacquering and printing plants. The jury honored the high energy efficiency

and environmental compatibility of the UV LED drying technology for curing printing inks, lacquers and adhesives on metal packaging. With the Stuttgart manufacturer Koenig & Bauer MetalPrint, a supplier of printing and coating lines won the METPACK Innovation Award in silver for its development called CS MetalCan – a new generation of printing units for beverage cans with short lacquering unit technology. The METPACK Innovation Award in bronze went to Valspar, a manufacturer of coatings for metal packaging. The American company received the industry award for its new “valPure V70 non-BPA Epoxy” coating series for metal packaging.

Further information: www.metpack.de



MODERN CAN MAKING TECHNOLOGIES

TECHNICAL CONFERENCE FROM 9 A.M. TO 1 P.M.
ON THE 3RD OF MAY 2023

Nine international speakers from around the world will deliver technical papers and presentations. The conference in English language will cover with 2 sessions the following subjects:

1. Innovations in Metals and Surfaces
2. New DWI, 2pc and 3pc Techniques



The conference will be opened by **Dr. Daniel Abramowicz of CROWN Holdings** by delivering a keynote, highlighting **technical innovations in metal packaging over the last quarter century**. In addition to series of incremental improvements, such as reduced spoilage during manufacturing and lightweighting the industry saw also a number of landmark innovations that have resulted in step-changes in the can's performance and/or economics. These more radical historical innovations, as well as some yet-to-come, will be featured in the presentation.

Dr. Dimitrios Tsimpoukis of Chrotex in Greece will speak about **cost optimisation in the lacquering process** by taking a holistic point of view on the factors

underlying the quality of the lacquering operations in metal can and cap manufacturing. Highlights are thrown on the interplay among requisite lacquer properties for good quality can manufacturing and their tradeoffs, as revealed through physicochemical concepts. The scope of cost wise optimizing the lacquering processes in can manufacturing is presented, within a framework of safeguarding quality.

Plasmatreat, a technology leader from Germany, developed a technique to improve metal surfaces like tinplate by increasing dramatically the wettability and thus enabling **UV materials being directly applied**. Backed by project partners in Brazil, the canmaker Brasilata and the



coatings manufacturer Actega, Plasmatrete will show how inline plasma jets can **substantially improve adhesion** of UV coatings.

Neil Finley, Head of Global Food Safety for **Henkel (UK)** and Chair of the CEPE Can Sector Group, will take on the important and ever-expanding area of migration and regulation by speaking about **food contact risk assessment of BPA-NI coatings** for metal packaging. This paper will discuss the challenges in performing the risk assessment, novel approaches to demonstrate safety and how improved communication through the supply chain can support BPA-NI coatings for metal packaging.

Chromates are being removed from industrial manufacturing processes in order to further improve the health and safety conditions of workers and employees.

Nippon Steel Corporation from Japan has developed a new procedure to passivate tinplate surfaces without hexavalent chromium. Their presentation will cover the main technical information about Process, Product and Food Contact Safety of **EZP™ tinplate**. All three aspects of this **new substrate** will be detailed with basic principles, the structure of the Zirconium passivation layer, the toxicological profile and much more.

Koenig & Bauer MetalPrint GmbH will speak about challenges when developing the **next generation of coating machines**. Inline measuring technologies have advanced to the point that the re-coupling of data can lead to an automatic process, **controlled in a closed loop**.

Ian Scholey, **CTO of Stolle Machinery** from the US, will share his thoughts and experience which should lead to "More Good Cans". Today's demands for energy savings coupled with maintaining and improving output using the same machinery is driving us to accept new technologies. Small increases in efficiency through data analytics driven by sophisticated and available algorithms are within easy reach. These new technologies enable greater output to maintain cans in a competitive position.

Tim Clarke, the **CEO of Enpack Europe**, will speak about an **intelligent factory for Easy Open Ends**. Fundamental shifts are taking place in how the global production and supply network operates through ongoing automation of traditional manufacturing and industrial practices, using modern smart technology, large-scale machine-to-machine communication and the internet of things. We must adapt our business and manufacturing processes to align with digital natives, the younger generation. And we must use these new skills to help us succeed in an increasingly competitive world.

Rainer Berkefeld is **Business Development Manager for SLAC** from China. Together with his colleague Jeff Harper from OKL/USA he will talk about a **new body-maker design** – as the basic DWI technology for making cans was developed in the USA in the 1960's. Today it is the leading technology for beverage cans. The body-maker is the machine at the heart of the DWI technology, and this new development from SLAC arises from the engineer's quest to eliminate unnecessary energy in an industrial process. The Boxer has twice the output of conventional body-makers, with significantly less energy per can produced.

METPACK CONFERENCE PROGRAM

8.30 a.m. WELCOME COFFEE AND REGISTRATION OF DELEGATES, NETWORKING

Opening of the conference – Keynote

9.00 a.m. KEY INNOVATIONS IN METAL PACKAGING OVER THE LAST QUARTER CENTURY

Dr. Daniel Abramowicz, Executive Vice President, Technology and Regulatory Affairs, Crown Holdings, Inc. (USA)

9.20 a.m. MODERN CANMAKING TECHNOLOGIES

1 Closed loop coating thickness regulation in metal sheet coating

Damian Pollok, Team leader product management, Koenig & Bauer MetalPrint (D)

2 Food contact risk assessment of BPA-NI coatings for metal packaging – demonstrating the safety of NIAS

Neil Finley, Head of Global Food Safety, Henkel (UK)

3 More Good Cans

Ian Scholey, CTO, Stolle Machinery Company, LLC (USA)

10.30 a.m. NETWORKING REFRESHMENT BREAK

11.00 a.m. MODERN CANMAKING TECHNOLOGIES

4 Intelligent factory for EOE

Tim Clarke, CEO Europe, Enpack (CN)

5 Towards the cost optimization of lacquering – concepts and applicability

Dr. Demetrios Tsimpoukis, Managing Director, Chrotex (GR)

6 Chromate-free Tinplate (EZP™)

Shintaro Yamanaka, Senior manager, High-performance Steel Sheet Research Department, Kyushu R & D laboratory, Nippon Steel Corporation (JP)

7 The Boxer: a new development in DWI technology

Rainer Berkefeld, Sales and Business Development Director for EMEA, Suzhou SLAC Precision Equipment Co. (CN)

Jeff Harper, Sales Manager, OKL Engineering, Inc. (USA)

8 Openair® Plasma Surface Treatment of Metal Sheets

Christian Buske, Managing Director, Plasmatreat (D)

Antonio Galhardo, Coatings Director, Actega Brasil (BR)

Augusto Franca, Director, Brasilata Labs (BR)

1.00 p.m. END OF CONFERENCE

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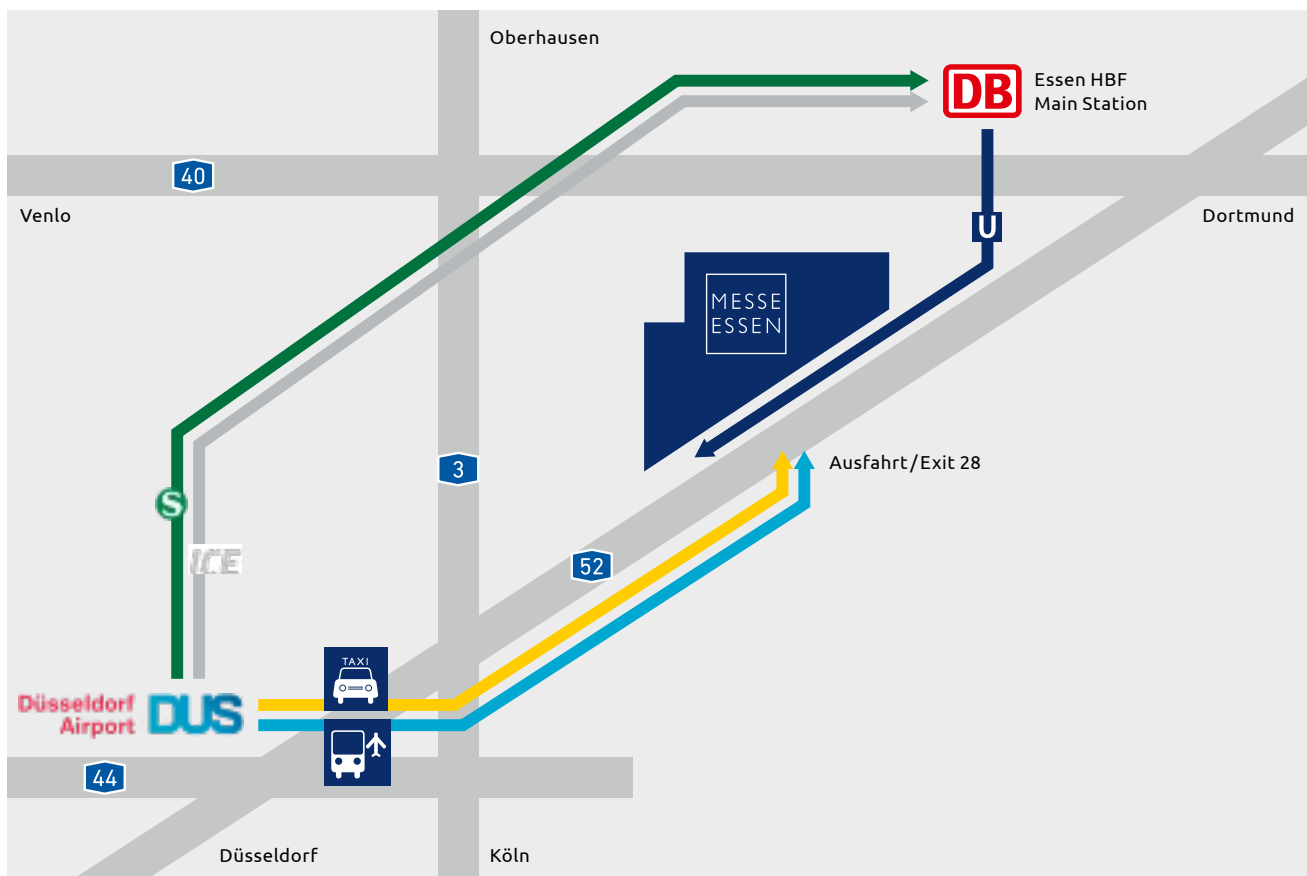
YOUR EASY WAY TO METPACK

METPACK Airport Information Counter

Arriving at Düsseldorf International Airport, you will be greeted at our Information Counter in the arrival area of Terminal B.



The MESSE ESSEN Airport Express Bus departs from arrival level in front of the hall at exit A/B, bus stop 2 and get you to MESSE ESSEN in only 20 minutes (one-way ticket: 25.00 euros, return ticket: 35.00 euros). Every 30 minutes between 7.45 a.m. and 6.45 p.m. On all trade fair days and non-stop.



By air: Your destination is the Airport Düsseldorf International, where you have flight connections to about 180 cities both in Germany and abroad. Airport Info-Phone.: +49 (0)211 42 10 www.duesseldorf-international.de



By taxi it is only about a 20-minute drive from Düsseldorf International Airport to MESSE ESSEN.



The Essen main railway station is the junction for over 120 ICE, InterCity, EuroCity and InterRegio connections in and from all directions every day. With the ICE express train from Düsseldorf airport station, you can get to Essen main railway station in just 22 minutes. www.fahrplanauskunft.de



Direct underground train connection: U11 (5 minutes' journey from Essen main railway station to Messe West).



By car you get to MESSE ESSEN on the major Rhine-Ruhr motorways A52/A3 and A40/42.



You will find 5,000 parking spaces nearby the fair and another 7,000 parking options in the P+R system.

THE METPACK ESSENTIALS

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Duration and opening hours

May 2 – 5, 2023 9.00 a.m. – 5.00 p.m.
 May 6, 2023 9.00 a.m. – 3.00 p.m.

Ticket prices

- Day ticket online 40.00 Euros
- 2-day ticket online 57.00 Euros
- Season ticket online 81.00 Euros

Please use our website:
www.metpack.de

Catalogue

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Free Shuttle Bus between METPACK and interpack

On May 4 – 6, the dates of METPACK will coincide with those of interpack. A free shuttle bus will connect both events so that visitors will be able to use the synergetic effects of both trade fairs in a convenient way.

DEPARTURE DÜSSELDORF

Bus stop Entrance North (opposite to P2)

- every 30 min.
- **May 4 – 5:** 10.00 a.m. – 6.00 p.m.
- **May 6:** 10.00 a.m. – 3.30 p.m.
- travelling time 30 min.
- free of charge

DEPARTURE ESSEN

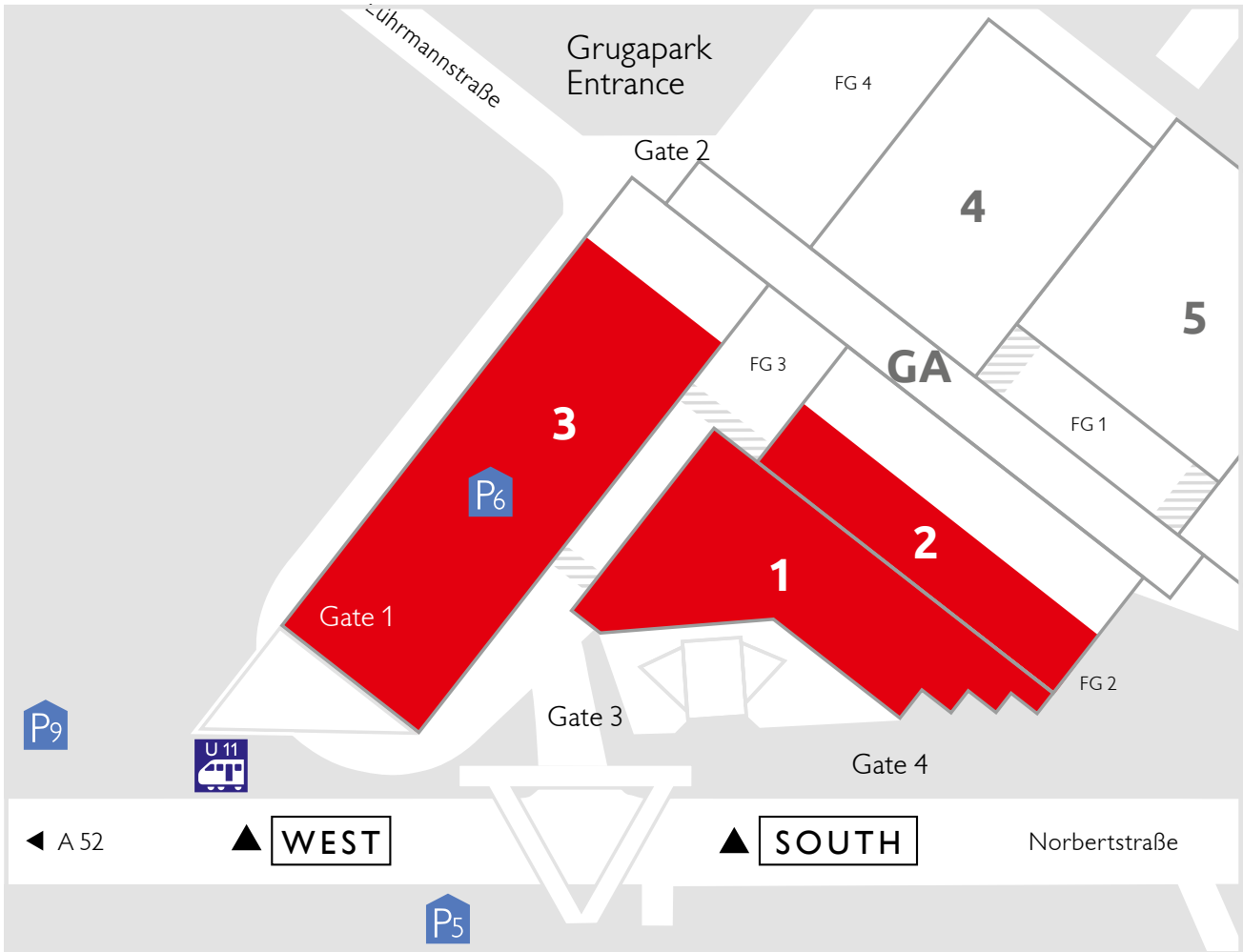
Bus stop Entrance West Piazza

- every 30 min.
- **May 4 – 5:** 10.15 a.m. – 5.45 p.m.
- **May 6:** 10.15 a.m. – 3.15 p.m.
- travelling time 30 min.
- free of charge

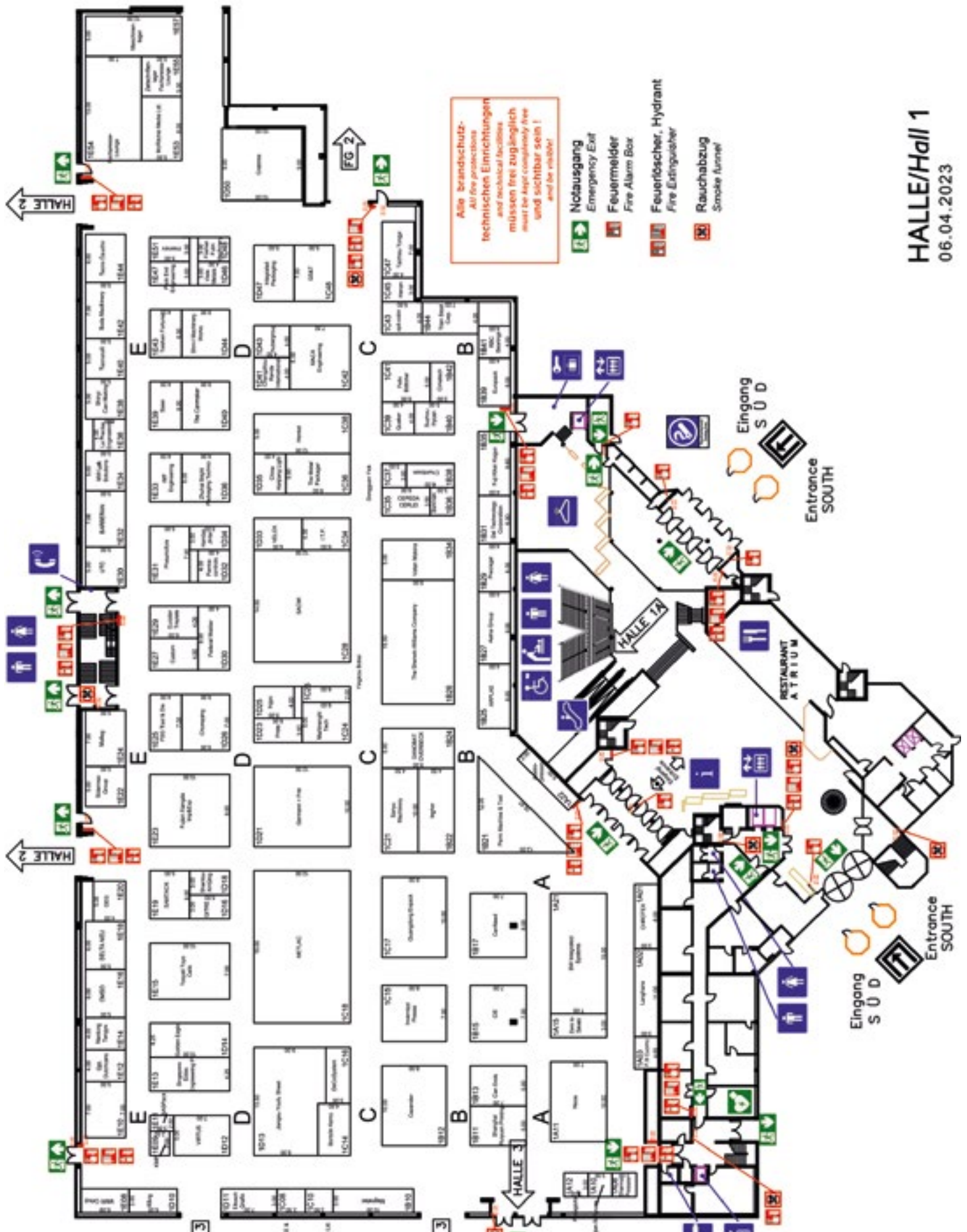
AROUND 350 EXHIBITORS FROM 28 NATIONS WILL WELCOME YOU IN HALLS 1 TO 3

The South and West entrances to the exhibition grounds will take you directly to Halls 1, 2 and 3. Upon entry, you will be personally registered as a visitor.

All topic areas are represented in all halls. Due to the steady growth of METPACK, we are pleased to be able to offer you a circuit through Halls 1 to 3.

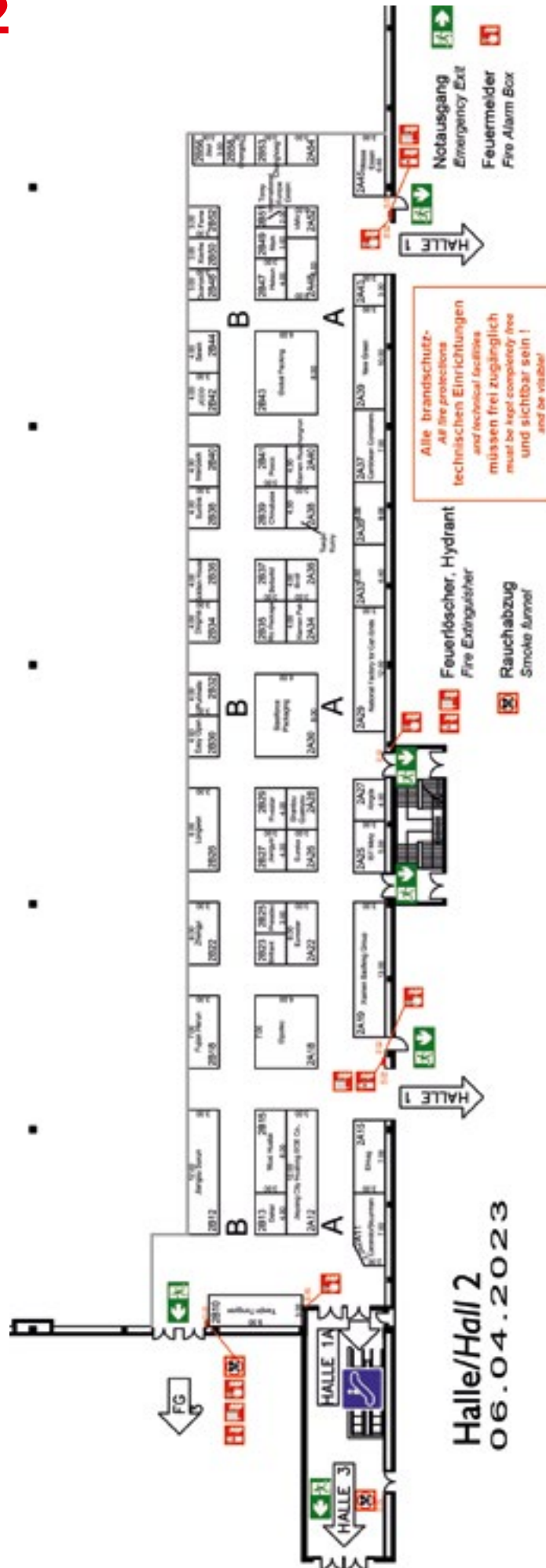


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HALLE/Hall 1
 06.04.2023

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HALL 3



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ACTEGA DS GMBH

HALL 3, BOOTH C55

INTELLOX® QR 4.0 – THE ULTIMATE QR LINER SOLUTION

Until now it was not possible for the brand owners to have unique QR-codes placed in the crown corks while using scavenger compounds, because the compounds (liners) got milky over time, hence the scanability disappeared. The advantage of using scavenger liners is that the filling good stays fresh over the whole shelf life.

ACTEGA's new INTELLOX® QR 4.0 liner with scavenger has exactly these characteristics. The solution for QR coded crown corks offers a combination of high end scavenger performance and QR scanability beyond shelf-life.

The QR liner INTELLOX® QR 4.0 gives the best protection for oxygen sensi-

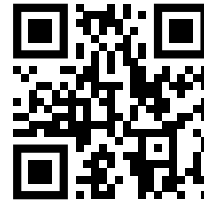
tive filling goods, such as beer, while the QR-codes are scannable with increasing contrast over time. This liner is applied into the crown cork, and afterwards laser marked with the QR-code.

The INTELLOX® QR 4.0 offers several advantages.

Some of these include offering maximum flexibility, hence the liner is suitable for small lots and fast changing layouts (e.g., for the Olympics).

In addition, the INTELLOX® QR 4.0 has a high level of data security due to the laser-software system. The system can be run with up to 1,500 crown corks per minute, and work is on-going for improvement of the speed.

If you would like to know more about the QR liner with high performing scavenger, visit <https://www.actega.com/us/en/brands/intellox-qr> and contact us!



Actega DS GmbH
Straubinger Str. 12
28219 Bremen, Germany
www.actega.com

AETNA GROUP S.P.A.

HALL 1, BOOTH E27

Aetna Group is a world leader in the packaging industry with its commercial brands ROBOPAC and OCME, specializing in end-of-line solutions. It employs more than 1,850 people, of which 280 technicians engaged in after-sales service. The Group has 10 production plants, including 6 in the Italian packaging valley, 1 in



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A Barry-Wehmler Packaging Company

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OR **CAN PALLETIZING?**



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HALL 1, STAND 1A21

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Brazil, 1 in the USA, 1 in China and 1 in Germany and has commercial subsidiaries in France, the UK, Germany, Spain, the US, Russia, China, Mexico, Thailand and Brazil. The Group's production ranges from semi-automatic and automatic packaging solutions, industrial packers and case packers, palletizers, AGV & LGV shuttles.

Robopac offers its high experience in the metal containers industry to customers all over the world, that found a deep know-how and professionalism in the solutions proposed.

The wide portfolio for pallet packaging applications and pallet handling together with our state-of-the-art Cube Technology™ ensures the best load stabilization and commit to accompanying customers towards the green transition.

Robopac's Techlab located in 5 countries (USA, Germany, Brazil, Spain and Italy) supports the packaging optimization in order to stabilize the loads during transportation and maximizing the savings.



OCME works in the field of intralogistics automation since 2003, mainly focused on pallet handling for the food and beverage industry, including handling of pallets containing loose containers to feed the production line from the warehouse.

Productions plants of metal cans is facing the challenge to be more and more efficient to fulfil their customer needs.

In this context Ocme is able to provide a turnkey solution to reduce the inefficiency, increase the safety and create added value by its Automatic Laser Guided solutions.

OCME has long experience of handling metal containers with different palletizing and depalletizing solu-

tions as layer gripping or magnetic gripping robotic solutions and traditional palletizing and depalletizing solutions.



Aetna Group S.p.a.
S.P. Marecchia 59
47826 Villa Verucchio RN, Italy
www.aetnagroup.com/de

ALFONS HAAR

HALL 3, BOOTH D41

New Alfons Haar EOE Steel Tab Design saves 20%

- 1.05 kg stock weight per 1,000 tabs
- available for all FAE EOE

Alfons Haar Maschinenbau has introduced an ingenious new steel tab design to the market. It offers material savings of up to 20% without compromising high production and quality standards. Alfons Haar has reduced the tab stock thickness for Full Aperture Ends (FAE), benefitting from the use of harder steel.

Stock weight consumption is 2.3319 lbs (1.05 kg) per 1,000 tabs with a 2-lane design. Customers using this high end tooling technology can save up to 100 tons of material per year. The material utilization is even more beneficial with a 4-lane design.

The new tooling technology is now available for all Alfons Haar conversion presses. It can also be retrofitted to existing presses.



Innovative AH Tab Design
 1.05 kg/1000 tabs

Lower Failure Rate with Two-Piece Cans

Packers worldwide report an around eight times reduced failure rate of

two-piece cans compared to three-piece cans. The critical area of a three-piece can is the welding seam and the overlap of the welding seams at the flange. Two-piece cans benefit from fewer seams and therefore fewer potential weak points.

For decades there had been a rule limiting two-piece DRD food cans to so-called shallow drawn cans with a diameter exceeding or at least matching the height of the can. Draw-redraw (DRD) canmaking specialist Alfons Haar Maschinenbau has launched newly developed cans and equipment that break this rule. The driving factor were market demands to prevent migration of internal lacquer ingredients into foodstuffs, which the company met by the use of laminated steel. Shallow DRD cans made from laminated steel have been used successfully for years, mainly in Japan. Alfons Haar has now made a DRD line for 73 × 104 mm cans with an output of 400 cpm.



73 × 104 mm AH
 Can Horizontal
 Beads



AH Vertical
 Beads Can
 73 × 104 mm

Also produced on Alfons Haar machines is the thinnest commercialized two-piece tuna fish DRD can in the market at 0.14 DR8, representing 13% metal savings, equal to more than \$1,000,000 per line and year. This is possible due to the patented side wall bead design. These beads can be printed on, even bar codes remain readable.



New AH Tuna Vertical Beads with
 digital Print

Alfons Haar DRD lines can serve multiple can and cup sizes, with or without multiple redraws. To ensure that sharp flange edges on the lid or tin rim cannot damage the coating of neighboring products, the patented "Touchless" cup transport between cup and redraw presses can be employed. With an already solid track record gained in the production of quarter club ends, the method is now available for all Alfons Haar DRD lines.

PVC-free caps and closures by Alfons Haar

Increasing market demand for plasticizer-free food and the need to comply with EU regulations call for new developments in the food industry. Alfons Haar has successfully launched liners for migration-free products for closures (Lug Caps, PT, PP), using thermoplastic elastomer (TPE) sealing instead of PVC compounds. This is especially relevant for PT closures, as it means a significant simplification of the production process.

One of the main benefits is the easy adding to existing lines. The Alfons Haar TPE liner works with the otherwise finished cap. In contrast to competing TPE liners, there is no need to break up existing lines. The Alfons Haar liner can be simply added downstream, used on demand and scalable for capacities from 125 to 500 cpm. Size change is likewise quick and easy and there is no need for a curing oven with its power consumption, emissions and condensation problems.



pvv free caps and closures

Savings in ROPP caps

The German Draw-redraw (DRD) specialist Alfons Haar Maschinenbau has developed a new process to exploit material potential in redrawn aluminium

roll-on pilfer-proof (ROPP) caps. This results in significant cost and material savings in the production.

Aluminium ROPP caps have undergone a resurgence in recent years, replacing alternatives such as plastics and cork on a variety of beverage products. Taller caps are made in a DRD process, similar to any kind of two-piece can.

Usually, the skirt below the score line shows the highest wall thickness, although it does not serve any functional purpose. Alfons Haar has managed to save 20% metal below the score line. A special ironing technology prevents thickening, therefore saving valuable surplus metal without any compromise in product performance. The process is still performed dry and does not change the number of redraws.

BAO FENG

The Largest Aluminium EOE Maker in China

sales@xmbaofeng.com | www.xmbaofeng.com

Two caps drawn from the same cup, illustrating the surplus material that can be saved with the new process:



Continued Shell Light-Weighting with Launch of "Precision Form 2"

Alfons Haar Maschinenbau presents "Precision Form 2 (PF2)", the further improved version of its patented tooling technology for sanitary ends. Precision Form dies allow the unlimited use of double reduced (dr) steel without thinning and warping. This results in metal thickness reduction of up to 20% without performance restrictions.

Almost 20 years ago, Alfons Haar found an alternative path with "Precision Form", a kind of reform die similar to the technologies used for lightweight beverage ends. This technology, which has been used successfully for decades, allows pronounced beads with hard dr-steel without major thinning and consequently without any warping.

PF2 represents a simplification of the tool concept and improvements especially for bigger sizes up to 153 (603).



Sanitary End 603 (153 mm)

Savings for Pressure Cans

Alfons Haar now offers downgauging of pressure can tops and bottoms using DR plate. As an example, bottom size 63 mm made from TH650 with 0.28 mm thickness for 18 bar buckle pressure represents at least 20% savings.

In cooperation with a transfer system supplier the company can offer similar savings for aerosol tops.



Pressure Can

Alfons Haar Maschinenbau GmbH & Co. KG
Fangdieckstr. 67
22547 Hamburg, Germany
www.alfons-haar.de

ALLVIG TECHNOLOGY GMBH

HALL 1, BOOTH D10

Unique and unparalleled Technology.

More and more manufacturers are turning to Allvig for modern, efficient, and cost-effective inline quality control solutions.

Based in Germany, Allvig provides top-class quality control solutions in the packaging industry including: metal, plastic, glass and pharmaceuticals. By combining innovative optical technology and tried-and-true proprietary software, we have achieved a reliable system to meet our customers specific needs.

This is largely due to our unparalleled inspection technology based on aerospace principles. Allvig's aim was to answer one of the biggest challenges that manufacturers face today: pseudo-rejection and their high costs. Due to this innovation, production waste is reduced to a minimum, protecting the environment and significantly lowering production costs. In addition to this, our sophisticated technology ensures the detection of low-contrast and subtle defects alleviating producers from these worries.

Allvig has many earned years of expertise in the quality assurance industry. We have gained diverse knowledge in products such as easy open- and twist-off closures, cans, lids, and foils. With this experience, Allvig has developed their systems to exhibit intelligent abilities similar to human cognition. Our smart universal software can be customized to run with existing hardware components or modified with high-tech optical lenses to increase accuracy. The combination of reliable detection and reduced pseudo-rejection ensures our customers that their time and money is well spent. After experiencing Allvig's services, many first-time customers are convinced.

Our inline-quality solution is perfect for manufacturers looking for efficiency, value for money, and a made-in-Germany quality guarantee. Allvig- it's made to fit your needs.

We are open and ready for new tasks and challenges, as quality control technology is our passion.



Allvig Technology GmbH
Verbindungsstrasse 27
40723 Hilden, Germany
www.allvig.de

AMADOR VARAS S.A.

HALL 3, BOOTH D35



VARAS GROUP
C/Montalegre, 32
08915 Badalona
Barcelona, Spain
www.varas-group.com

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BASARAN GRINDER CORP.

HALL 3, BOOTH B54

The Basaran BT-450IR internal-radius CNC grinder delivers accuracy and power in a compact design. This model, which is capable of simultaneous 3-axis control, is extremely versatile in the grinding of container tooling components. The BT-450IR is designed to provide high reliability and productivity across the entire range of cupper, necker and body maker tooling. Our specialized iCan Grind icon-based software offers simplified programming, which allows for easy operation for your operators.



Basaran Grinder Corp.
100 Laser Ct.
11788 Hauppauge, USA
www.basarangrinder.com

BA.SCO. SRL

HALL 3, BOOTH E27

BA.SCO. Srl is specialized in the design and production of leak-testers for metal packaging and is present in the worldwide market since more than 30 years. During these years BA.SCO. Srl never stopped developing its products and expanding its range of leak-testers to meet the growing needs in all sectors of metal packaging.

BA.SCO. Srl proposes state of the art solutions to all customers who want to increase the quality of their products, not only with its standard range of leak-testers, but also with the possibility to design and manufacture special machines to meet the most particular needs.

The experience gained in 30 years of work and the collaboration with the most important manufacturers of metal packaging all over the world has allowed BA.SCO. Srl to achieve technological results of the highest level and to have a relevant position in the global market as a supplier of great reliability.



BA.SCO. leak-testers are characterized by the high technological level and at the same time by the simplicity of use. The balance between these two factors has always been a priority for BA.SCO. Srl and continues to represent the focus for our new generation leak-testers.

BA.SCO. Srl
Via Borgognone 9
10090 Trana TO, Italy
www.basco-testers.com

BATI MAKINA KALIP VE AMBALAJ SAN. TIC.A.S.

HALL 3.0, BOOTH A43

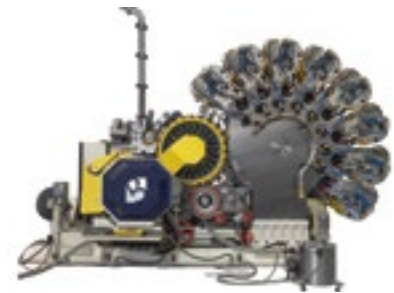
43 years experience in can making machine and die manufacturing, we developed our self according to your demands with latest technological investments. We continue to expand our reference network in many countries of the world with our machines and dies. Do not think you have the best unless you try our service and quality both for machines and dies! Hope to see you in our booth at Metpack 2023.

BATI MAKINA KALIP ve
AMBALAJ SAN.TIC.A.S.
Imes Sanayi Sitesi C Blok 302 Sokak No 1
34776 Y.Dudullu-Istanbul, TURKEY
www.batimakina.com

BELVAC PRODUCTION MACHINERY INC.

HALL 3, BOOTH A61

Belvac will be showcasing, the Servo Belvac Necker, their latest model of Necking technology at Metpack. The Servo Belvac Necker utilizes advanced Servo Motor Control technology, allowing for every module to independently rotate, which is ideal for quickly changing tooling and resolving can jam situations. Resulting in faster resetting and synchronization which significantly reduces downtime. The independent motor control and common base platform allows for increased flexibility with machine configurations and future can size changes.



The turret side of the Servo Belvac Necker maintains the commonality of the previous design which allows for interchangeable turret components between the two models. The Servo is rated at 3,600 containers per minute while achieving pocket-to-pocket integrity. When operating at rated speed, the electrical consumption is up to 15 % lower than the standard motor and gearbox configuration on a traditional Necker. The mechanical brake system and gear train are not required, further simplifying maintenance requirements. Similarly to The Belvac Necker, the Servo design can be equipped with modules to perform other processing functions including Intermediate Infeeds, Flanging, Reforming, and Inspection Systems.

The Servo Belvac Necker is fitted with a new guarding system to facilitate rapid access to the turret side of the machine by utilizing high speed industrial doors with clear panels for visual viewing of the machine in

operation. A dropped can evacuation system is also available to allow for improved efficiency by eliminating the need to stop the machine to clear out dropped can accumulation.

The advanced Intelligent Manufacturing System (IMS) and the High Speed Selective Sorter (HS3) can be integrated into the Servo which allows for dynamic quality control, sampling by Bodymaker ID, Color Dot, and Necker Pocket Number, while providing data for intelligent troubleshooting of upstream problems.

Belvac will also be exhibiting their flagship Decorator, which is rated at 2200 containers per minute with an eight color print application. The eight Inker Units and the Reverse Over-Varnish Unit feature quick-change gravure rollers. Operator friendly set-ups, quick-change capabilities, and reduced wash time add to the Decorator's efficiencies. The Decorator is designed for the highest quality print capability and the lowest cost of operation.

Lastly, they will be unveiling their latest innovation that works in tandem with Belvac Decorating System, the Belvac Printing Sleeve. This printing sleeve replaces conventional printing plates, expanding the decorating systems efficiencies and capabilities. It reduces registration related downtime by a third, allowing the operator to reach registration within 50 cans. Implementing this innovative sleeve can save millions in costly can spoilage, and most importantly time.

Come visit their booth, A61, in Hall 3 to experience the performance of the Servo Belvac Necker and Belvac Decorating Systems.

Belvac Production Machinery Inc.
 237 Graves Mill Road
 24502 Lynchburg (VA), USA
www.belvac.com

BIAGOSCH AND BRANDAU GERMANY GMBH

HALL 3, BOOTH A52

Bibra (Biagosch and Brandau Germany GmbH) was established in 1889 and is located in Germany, near Hamburg. Today Bibra is one of the world leading companies in building machines and complete lines to produce bottoms and lids for all types of round and non-round cans, rings for paint cans, deep drawn cans, cosmetic cans, aerosol bottoms and cones and also caps and closures.



On this year's Metpack we will show our "Unistar" sheet feed press with our new feeding system TPS-7 and our servo driven rollforming machine "Rapidstar":

The Unistar has been designed as an universal machine, starting from 20 tons up to 160 tons, with semi- or fully automatic sheet feeding system.

The Rapidstar can be used for all kinds of shaping operations of deep drawn cans and lids like:

- beading
- curling
- knurling
- threading
- trimming
- calibrating
- lining
- etc.



Come and discover the Unistar and Rapidstar on our booth A52 in hall 3.

Apart from our sheet feed press and rollforming machine program, we are presenting for sure our backend machines like: curler, lining machines, drying ovens, bodymaker for fancy cans and toolings.

Biagosch and Brandau Germany GmbH
 Schusterring 19
 25355 Barmstedt, Germany
www.bibra.com

BODA MACHINERY

HALL 1, BOOTH E42



Boda Machinery is located in Zhejiang, China, which was established in 1994. It manufactures can-making lines, including empty can-making series, top and bottom making series, etc. Because of the excellent technical ability, Boda gained a great achievement on invitation patent and practical patent with designing machines, including over 40 patents such as the unique guide and pillar structure, safety driving system and frame structure, etc. The products are sold well in both China and overseas markets such as Europe, Middle-East, America, etc. and satisfied to the customers.



Boda Machinery
 District Zhongshatou, Shenjiamen
 P31600 Zhoushan City, China
www.bodaco.net



XIANGDA ENTERPRISE



Hall 1 1E23



FOCUS ON EOE MAKING

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BONFIGLIOLI ENGINEERING S.R.L.

HALL 3, BOOTH C25

Manufacturers are continuously looking to save on production costs while maintaining high-quality packaging. The aerosol can market is no different; however, these cans are especially sensitive to metal thickness reduction due to overpressure inside the cans. In addition, any leak testing solution of aerosol cans must meet the requirements outlined in the ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road).

Bonfiglioli Engineering, a global leader in the design and construction of packaging inspection systems for various industries was awarded a project to manufacture a new generation of KBA systems with high-speed inspection capabilities which exceeded the previous speed threshold. This innovative solution for 100% in-line leak testing is equipped with the ESA (Enhanced Sensitivity Algorithm) which provides leak testing for low-thickness aerosol cans at speeds of up to 800 aerosol cans per minute.

The KBA Non-Invasive, Non-Destructive leak inspection machine for empty aerosol cans is available in various configurations: 24, 36, 48 and the recently delivered 60 testing heads. This versatile design ensures that customer's production speeds are easily matched, even for cans with internal pressurization levels that range up to 15BarG/220PSI.



The KBA system is designed to meet and exceed the needs of the customers while meeting global regulatory standards such as those outlined in FEA guidelines, ADR, DOT requirements (49 CFR 173.306). Bonfiglioli Engineering KBA leak

testing machines are engineered to be in compliance with Industry 4.0 requirements with the ability to monitor pneumatical and electrical energy consumption. Other system options include MES (Manufacturing Execution System connection, also referred to as OEE) and Statistical Process Control that reduces deviations for a better yield control and challenge leak mode.

Bonfiglioli Engineering, with 50 years experience, is the reliable partner in packaging quality inspection, delivering customized systems that enable manufacturers to meet production goals and ensure safe products to the end users.

Bonfiglioli Engineering S.r.l.
Via Amerigo Vespucci 20
44124 Ferrara, Italy
www.bonfiglioliengineering.com

BROOKS LIMITED

HALL 3, BOOTH E39

Brooks High Performance Pin Oven Chains are considered the leading pin chains within the Two Piece Beverage Can Industry. We offer four main designs: fixed pin standard, fixed pin x-ring, fixed pin lube free and replaceable pin. Each extended can carrying pin can be assembled with one or a combination of two spring loaded PEEK tips:

- 16.4 mm diameter "flat" tip
- 18 mm diameter small tip
- 21 mm diameter standard tip
- Barrel tip
- 35 mm diameter large tip



Brooks also offers the latest Electrostatic Pin Chain Lubricators and Single Sided Chain Guides.

Our goal is to work with all our customers to help them to achieve maximum chain life whilst minimising downtime and line contamination.

Brooks Limited
117 Manchester Road
Manchester M34 5UU, United Kingdom
www.brooks.ltd.uk

BUNTING MAGNETICS CO.

HALL 3, BOOTH D40



Stepping up to the plate.

Bunting's broad line of decorator cylinders is rapidly expanding. We now manufacture everything from the Rutherford-style tapered shafts and tapered-bore cylinders to the original ANC/Rexam slip-sleeve taper. We also produce Concord cylinders, which include magnetic cylinders and mechanical lockup cylinders, and open C-style cylinders for indexing systems like the Hinterkopf. Our capabilities continue to grow, fueled by investments in new technology to stay in stride with industry trends.



A full range of capabilities under one roof.

As the global aluminum beverage can packaging industry grows, so are we. To meet the increasing demand, Bunting opened a new facility exclusively for its 2-piece can decorating cylinders operation. The Bunting Manufacturing Center for Magnetic Decorator Cylinders is a highly auto-

mated facility with the capacity to meet the global demand for decorator cylinders and shafts.

A pursuit of precision.

Bunting's decorating cylinders are machined with TIR tolerance of .000080" (2 microns), or 80 millionths of an inch, on some models, so you can achieve optimal registration with your CTP Hi-resolution printing plates. Precision, efficiency, and quality are powerful promises Bunting stands behind. That's why 2-piece canmakers around the world choose Bunting's magnetic decorating cylinders.

Can handling conveyor systems.

Bunting also builds custom-engineered magnetic conveying systems to move 3-piece steel cans horizontally, inclined up to 90 degrees, and even upside down, if necessary. The washdown rated construction meets all strict sanitary requirements.

About Bunting

Bunting's custom design capabilities ensure that no matter what industry you are working in, you will receive a

custom designed piece of equipment that meets the exact needs of your specific application.

With international headquarters in Newton, Kansas, Bunting has modern manufacturing facilities in Illinois, Pennsylvania, and England. Discover what Bunting can do for you at buntingmagnetics.com.

Bunting Magnetics Co.
500 S. Spencer Rd
Newton, KS 67114, USA
www.buntingmagnetics.com

BW INTEGRATED SYSTEM

HALL 1, BOOTH A21

BW Integrated Systems is excited to be exhibiting at Metpack for the first time. Our brands, Fleetwood and Goldco, will be highlighted, and we will have representatives available to sit down and discuss how the solutions we offer CAN meet your needs and applications.

Fleetwood is an industry-leading can end machinery manufacturer, and we like to say that we are "where can and end began." For over 60 years, our team has provided can end solutions for the global can end market.

For over 50 years, our Goldco product line has been providing can palletizing equipment for the beer, beverage, and food markets, to name a few. Today our team continues to lead the industry with innovative machinery worldwide.



Though technology has changed, our experience and commitment have not. Our machines include can end conveying and handling, innovative in-process storage, can palletizing, and robotic equipment solutions.



UV DIRECT TO METAL SYSTEMS

A COOPERATION BETWEEN ACTEGA, BRASILATA LABS & PLASMATREAT

The development of UV technologies represents the most significant advance in coatings practise for many years. Substantial effort has been needed, in order to enable the use of UV coatings on metal for protection and decoration.

By using our broad industry knowledge and our UV technology competencies, we at ACTEGA have successfully partnered with the leading can-maker in Latin America, Brasilata Labs, and the plasma treatment expert from Germany, Plasmatreat, to replace the traditional solvent-based coatings with UV systems for general line cans.

OUR UV COATINGS OFFER THE FOLLOWING ADVANTAGES:

- Fast curing
- Energy savings up to 50%
- Low VOCs
- Around 40% less CO₂ emissions compared to solvent-based coatings systems
- Faster production & lower costs

Get more information about our UV coatings and our other new, sustainable developments for metal packaging like PROVALIN®, ACTGreen®, SVELON® Low Gauge, INNOCAN™ and ROTARflow.

www.actega.com

Visit us at:
METPACK
Hall 3
Booth 3C55



A member of  ALTANA

Canmaking News

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CELEBRATING 20 YEARS!

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Find us
Hall 1
stand 1E53



Stop by Hall 1, Booth 1A21, and learn more about our equipment for both can end manufacturers and consumer packaged goods companies.



BW Integrated Systems
Plumtree Farm Ind. Estate
Bircotes, Doncaster South Yorkshire,
DN11 8EWGB, United Kingdom
www.bwintegratedsystems.com

CABAGAGLIO PACKAGING S.R.L.

HALL 3, BOOTH C57

A Company founded in 1996 today is well known in Europe as Italian metal packaging manufacturer: mainly aluminium screw caps and jars but also food and industrial products.



Turnover grew over the years and in 2016 the company moved its registered office and production department to the industrial area of Sirone, near the shores of Lake Como; more expansion, increase in the number of employees, streamlined logistics, are the bases for further growth where the challenges mainly regard ecology, sustainability and total recycling of products put on the market.

Cabagaglio Packaging plays in cosmetic market, in OTC reality and in some industrial niches.

Wide range, top quality, flexibility, sure delivery time, customized prod-

ucts and full customer service assistance are the pillars of the Company, which is growing year by year.

If you are looking for jars and screw caps for wellness products Cabagaglio Packaging is the right partner and offers solutions to ensure the safety of your liquids. Ask Cabagaglio Packaging Srl for advice, you will be closely followed in each step to find the ideal solution for your market.



The range of standard colors is wide and many are the options to customize caps and jars with company logo or text: you can go for embossing and debossing or digital printing solutions for any needs.

Also for liners the right solution for any request can be found at Cabagaglio: Epe, TriSeals, different rubbers or Induction.

All this and much more with Cabagaglio Packaging SRL, just visit: www.cabagagliopackaging.it

CABAGAGLIO SpA
Via Dell'Industria 17
23844 Sirone, LC, Italy
www.cabagagliopackaging.it

CABAGAGLIO SPA

HALL 3, BOOTH C57

Cabagaglio Spa is an Italian company based near the shores of Lake Como in Sirone (Lecco), manufacturing tops and bottoms for all marketed aerosol can diameters.



Founded in Lecco at the end of World War II by the Tizzoni and Airoldi families, it began to approach the aerosol world in the mid 1950s. It progressively consolidated its experience in the sector until 1988, when it took its present form as Cabagaglio Spa under the leadership of the Tizzoni and Panzeri families.



In 2017, the ever-growing company moved from its hometown Lecco to its current premises in Sirone, in the famous production district of Brianza.

This important step has allowed Cabagaglio Spa to furtherly strengthen and improve its layout, with an eye to the future in terms of growth and increase in production capacity.

Throughout the years, Cabagaglio Spa maintained its original character as a family company, considering its staff as an indispensable and unique resource for the improvement of its business.

Always focused on market requirements, Cabagaglio Spa continues to invest in new technological machinery, expanding its range of products and providing the most performing support to all customer needs.

Cabagaglio Spa can rely on a technical department composed of experts who design and develop each component to ensure maximum performance of the final product.

Such work is then integrated by the fundamental role of quality managers, testing and verifying production daily by following procedures fine-tuned over time by highly-qualified personnel.

The whole product range is made of 100% recyclable material, respond-

ing to all market demands and customized requests in terms of finishes and colours.

To know more about the detailed product range, certifications and latest news, please visit: www.cabagaglio.it.

CABAGAGLIO SpA
Via Dell'Industria 17
23844 Sirone, LC, Italy
www.cabagaglio.it

CAN MAN

HALL 3, BOOTH A19

CAN MAN

Can Man ▶ Soudronic Group

Soudronic AG
Industriestrasse 35
8962 Bergdietikon
Switzerland
www.soudronic.com

CANTECH INTERNATIONAL

HALL 3, BOOTH B27

CanTech International is a market-led monthly magazine, dedicated website and weekly e-newsletter covering all aspects of metal packaging, including raw materials, can making and filling.

We capture the latest technologies and developments in this ever-burgeoning industry, and report on everything from market trends to price volatility; from plant and engineering efficiency to sustainable manufacturing. We have a strong, experienced editorial board and our feature writers are passionate about providing CanTech International readers with expertly informed and engaging content.

CanTech International has the largest fully-controlled circulation list of any magazine in the metal packaging industry with over 3,600 individuals in the can making and filling industries. Our circulation controls ensure that the magazine is read by top decision-makers in over 80 countries.

We are also the preferred choice when it comes to marketing and selling metal packaging services and equipment. Advertisers can be assured that their details reach their desired target audiences with varying options of coverage in the magazine, on the website, and in the weekly e-newsletter.

We are an active and impartial voice for the industry, present at all the major events worldwide – including our own Asia CanTech and CanTech The Grand Tour events.

CanTech International
Bell Publishing LTD
Gravesend, Kent DA11 0DF
United Kingdom
www.bellpublishing.com

CANLINE SYSTEMS B.V.

HALL 3, BOOTH D61

CANLINE

Canline is a leading supplier for conveying and handling equipment for (2-pc) beverage cans, steel food cans and the related end handling equipment.

Conveying systems for the metal can industry

Conveying systems increasingly require higher speeds, increased flexibility, and innovative combinations of magnetism and vacuum. This motivates us to create new conveying technologies and solutions. We believe that handling systems should improve the line efficiency and flow. We do this by focussing on innovative solutions that are a good fit for today's business, but are also flexible enough to meet tomorrow's demands. Whether you are looking for optimization of your factory or a full production set-up, we can meet the ever-increasing demands for flexible production lines, which can be converted quickly from can size, as well as conversions from steel to aluminium and vice-versa. With our innovative engineering and line control departments, we provide flexible designs and software to focus on the best solutions for your line with minimal maintenance.

We strive to **compounds** and **custom-tailor**
with **coating** precision

UBIS
ASIA

SATISFYING OUR CUSTOMERS
IN OVER 25 LEADING COUNTRIES
TEST OUR LIMITS TOGETHER

UBIS (ASIA) PUBLIC CO., LTD.
contact our BD: apichad@ubiasia.com
www.ubiasia.com



Metpack 2023

During the Metpack 2023, we will be pleased to show you our latest innovations for optimizing your production process by co-developed market leading & sustainable solutions.

Join us in a conversation about our leading ambition in sustainability, our innovative solutions developed together with customers and partners and guaranteed performance that optimises your production today and tomorrow through servitisation, digitalisation & data. Please visit our booth in hall 3, 3D61.

Company Statistics

Canline was founded in 2009 and employs approximately 80 people. Canline is a part of the publicly listed XANO Group, which develops, acquires and operates niche engineering companies offering manufacturing and development services for industrial products and automation equipment.

Canline Systems The Netherlands
Meerheide 216
5521 DW Eersel
The Netherlands

Canline Systems USA Inc
2000 Center Drive
Suite East B212
Hoffman Estates, IL 60192, United States

www.canline.com

CANNEED INSTRUMENT GROUP LIMITED

HALL 1, BOOTH B17

In order to save manpower and enhance the quality control level, can-making manufacturers urgently need to get fully inspection or automatic online sampling detection equipment. Therefore, CanNeed provides online automatic inspecting equipment for automatic sampling and non-contact inspecting, these are all updated technologies that we apply to the latest products.

We launched some new developments to the market:



- 1) CanNeed-ACTG-2000, a fully Automatic Optical Coating Thickness Gauge with unattended mode, it adopts non-contact optical measurement technology to measure the thickness and weight of dry film.
- 2) CanNeed-AOBMS-2000 is an automatic can Measure System for Back End with unattended operation. It's adopted non-contact laser way to automatically measure flange width (C), can height (H), inner can mouth diameter (B), bottom arch depth (D), flanging Angle (E), roll seal clearance (J), reforming diameter (R), reforming height (F), minimum diameter of can bottom (G) of 2-pc cans.
- 3) CanNeed-ADER-C6000 is a fully automatic digital enamel rater with unattended operation. It's used to measure the coverage, the compactness and the electric current value of the enamel coating inside the beverage cans. The equipment is with double-station measurement, two can types can be tested at one time, measuring 8 cans per minute.

CanNeed Instrument Group Limited
6 Longxing Road, Jindu Industry
526060 Zhaoqing, Guangdong Province,
China
www.canneed.com

CARNAUDMETALBOX ENGINEERING

HALL 3, BOOTH D55

CarnaudMetalbox Engineering (CMbE) is a global manufacturer of can making machinery. The com-

pany offers technical solutions for two-piece can making and has a deep-rooted understanding of the industry, with highly skilled and experienced specialist engineers helping to meet and further enhance the needs of their customers.



CMbE now operate from multiple sites around the world, three in the UK, one in China and four in the US.

Proud winners of the Queen's Award on four separate occasions, CMbE's strength in the marketplace is down to its machine technology, professionalism, and the wide skillset of their people, including the continued development of future Canmakers through their apprenticeship program.

CMbE has three established regional Sales Managers covering the Americas, EMEA and Asia Pacific, a comprehensive full-time Service department is available to its customers across the globe.

The company's main head office and manufacturing facilities are based over three sites in the UK: Shipley, Leeds and Hirstwood. The three sites together cover over 298,000 sq. feet of factory and office space, providing the capacity needed to allow CMbE to keep up with increased demand and further cement their future ability to provide can makers with a full can making solution. The Design and Development team work to continually develop new features, enhancements, and machinery to maximise can quality, production flexibility and efficiency.



USA based tool shops: H-V Industries, Wissota Tool and CMB Lancaster form part of CMbE along with their American head office in Norwalk.

The company's global spares department is open 24 hours a day, operating out of their Head Office in Shipley, UK. The US spares facility, located in Norwalk, manages all enquiries out of the Americas; whilst the Chinese spares facility, located in Shanghai, China, manages all enquiries out of China.

CarnaudMetalbox Engineering
Dockfield Rd
Shipley BD17 7AY, United Kingdom
www.cmbe.com

CAZANDER BROS. & SIS. B.V.

HALL 1, BOOTH B12

International business has been a strong feature of the Dutch culture for centuries and for twenty-seven years Cazander has significantly contributed to this commercial spirit. In 2023 we continue our business as usual of buying and selling pre-owned canmaking and decoration equipment for the steel and aluminum packing industry, still regularly discovering new markets. The Cazander Brothers have been active in this niche market since 1996 and our customer base is still expanding. By now already over 520 companies in 100 countries worldwide have either bought quality used canmaking machinery from Cazander or sold used equipment to us.



We observe a clear change in attitudes towards used machinery. With the demand for more sustainability, reuse of machinery has become a trend. The European Union as well as individual governments are strongly promoting circularity and have already devised legislation in this field. For instance, European Union guidance prescribes that in 2030 half of the raw materials must come from a circular source. This concept is summarized in the so-called R-ladder of reuse, repair, refurbish, recycle, recover and remanufacture. It is undoubtedly an important tendency in the whole economy.

We joke, saying that we used to be scrap dealers and that in 1996 our company started out as a kind of junkyard for old machinery. Now, 27 years later, this has changed completely, and we have transformed into a sustainability promoter. Or as you wish, from the bottom loser to the top winner.

Besides selling and buying quality used canmaking machinery, the Cazander Brothers are renowned for their creativity and developments in marketing innovation. A completely new website was built for Cazander in 2021. With this website, the supply search function has become even easier and applications can be submitted without much effort. Videos of the machines are also displayed more clearly and, as a result, the Cazander YouTube channel has experienced a growth of about 50% over the past two years:
www.youtube.com/cazanderbros

In addition, Cazander's range of supply has also been presented on various external machine platforms since 2022, thereby further expanding our customer base.



To all our clients and customers-to-be we say: you can trust, we can deliver!

Cazander Bros. & Sis. B.V.
Oosthavendijk 46
3241 LK Middelharnis, Netherlands
www.cazander.com

CERATIZIT S.A.

HALL 3, BOOTH A44

Can tooling is an application field that has a wide range of requirements. The industry standard in can tooling is cemented carbide solutions – especially when it comes to maximizing reliability, precision and wear resistance. To this end, Luxembourg-based cemented carbide specialist CERATIZIT is set to unveil its complete state-of-the-art product range for can tooling at METPACK 2023 in Essen, Germany. As one of only a few carbide manufacturers, CERATIZIT manages the entire cemented carbide process chain, from raw materials to ready-to-use tools. Moreover, CERATIZIT's central competence centre for can tooling, strict quality controls and an ultra-modern machine park guarantee that expectations are always met in terms of reliable quality, short lead times and the rapid development of new grades.



A complete product portfolio

The portfolio includes round and non-round copper tooling sets, body maker tools and necker tooling made from cemented carbide, ceramic, and steel, thus providing support at every step of the production process. In addition to tooling for 2-piece beverage cans, CERATIZIT also offers solutions for all 3-piece and aerosol tooling requirements. Furthermore, the hard material specialists at CERATIZIT also have non-magnetic cemented carbide grades in their range.



Maximized service life and a second life for raw materials

The service life can tooling solutions from CERATIZIT can easily be extended as every tool can be reground several times. However, even after the tools are worn down beyond use, they are still valuable as source of raw materials. Therefore, CERATIZIT offers quantity-specific collecting containers that customers can use to sell the carbide back to the company, giving the valuable raw materials a new life. The containers are picked up free of charge and reinsert the raw materials into the production cycle. A real win-win situation for everyone – including the environment.

Ceratizit S.A.
101 Route de Holzem
8232 Mamer, Luxemburg
www.ceratizit.com

CHROTEX S.A.

HALL 1, BOOTH A01

A technoeconomic benefit in metal printing applications

CHROTEX is a leading Greek coatings production company specializing in lacquers and varnishes for metal printing applications. A reliable partner emphasizing quality and cost benefit, with over 30 years of presence in the Middle East and Balkan markets.

Our products cover a wide range of applications, such as interior and/or exterior lacquering of 3-piece, 2-piece packaging, twist off, omnia, crown and pilfer proof caps, aluminum tubes and aerosol containers.

Implemented through dynamic and innovative methods, our strategy focuses on:

- continuous research and development of products to meet customer needs and market trends
- production of customized products (such as colored lacquers) of high quality under constant and strict quality controls
- distinctive level of professional customer service and technical support

Our approach is nothing less than a penetrating look at the world of technical detail that ultimately builds what we call "quality" and contributes decisively to the economic value of our customer. Application aspects of our coatings at the customer's production processes have been put under the microscope and linked to

the most recent and advanced scientific developments. Our specialized know-how is at your disposal via Innovative Software, Product Application Guides (PAGs), Techno-economic Evaluation Reports (TERs) and more.

The economic benefit to our customer, as an outcome of the optimum use of our products is precisely our new philosophy and we will be very pleased to see you at our booth Nr. 1A01, Hall 1.

CHROTEX S.A.
Marni Str. 39
104 32 Athens, Greece
www.chrotex.com

CIE COMPAGNIA ITALIANA ECOLOGIA S.R.L.

HALL 1, BOOTH B15

One plant, three purposes: to dump according to European limits, use for irrigation or TOTAL WATER REUSE

Aluminium Cans Lines are very often installed in problematical positions with logistic problems like: no underground or city water available, sewer disposal not available or extremely low limits to be respected for water disposal. To date, the Waste Water Treatment Plants have been engineered and equipped for every specific need. PUR-ALL is the new technology developed by R&D team of CIE and MST Chemicals group.



Proven to make the best in metal protection and decoration

MEET YOU AT BOOTH 1A01



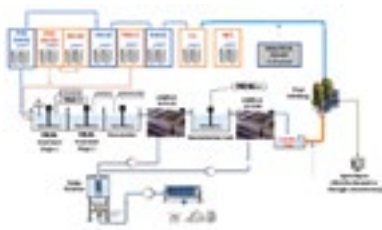
Lacquers & varnishes for metal printing

www.chrotex.com/en/metal-printing-services

Marni str. 39, GR-10443 Athens
Tel.: +30210 5230116-9, Fax: +30210 5235301, e-mail: info@chrotex.com

Thanks to Chemical Specialties and specific installations, the PUR-ALL process allows to the final user the decision to use this particular CIE plant to dump final purified water or to use it for irrigation or to reuse in the can washer. The Waste Water Treatment Plant realized with PUR-ALL Technology can be managed in three different modalities:

- duty water according to Standard European limits (using basic Chemicals)
- duty water in rivers and lakes with any sewer limits or used for irrigation (using Chemical Specialties)
- treat and reuse 98% of washer (Z.L.D.) (using Chemical Specialties + Polishing Filter)



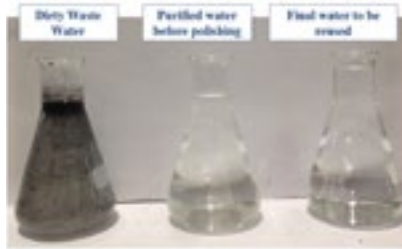
1. PUR-ALL ZERO ZERO

The third Modality is called PUR-ALL ZERO ZERO because the treated water can be reused without any supplementary technologies. The process has been studied and developed to depress by precipitation any pollution element. The precipitation happens in two steps:

- First Step: Sulphates and Fluorides precipitate together with part of Aluminium Hydroxides. This happens thanks to a combined action of lime and a balance blend of inorganic oxides of Ca, Al, Fe, Si and to an oil and organic absorption specialty.
- Second Step: after sludge separation, a neutralization action leaves the possibility to remove excess of Aluminium, Fe, Si and Calcium that precipitate again as sludge. After sludge removal, the water is sent to a Polishing Filter where salinity excess is removed.

1.2 PUR-ALL ZERO ZERO applications for Cans lines

PUR-ALL process is successfully used on Cans line equipped with Acidic pretreatment cycle. The water recovering could reach the 100% and the resulting water can be reused in the same line realizing a full Z.L.D. process.



CIE Compagnia Italiana Ecologia S.r.l.
Via I° Maggio 20/22
20070 San Zenone al Lambro (MI)
Italy

CUSTOM MACHINING CORP.

HALL 1, BOOTH E27

Custom Machining Corporation (CMC), located in Colorado in the USA (Booth 1E27) is pleased to display our revolutionary, new generation high speed compound liner that offers output speeds of up to 5500 epm – more than double the output of previous generation rotary liners.

Introducing the patented Model MT-20 rotary compound liner, suitable for aluminium end sizes ranging from 113 to 209. Like two liners in one, its 18 square-foot design footprint recognizes that floorspace is always a premium in a beverage ends plant. The system has a single compound supply. And it was developed using the same components as CMC's other rotary liners for spare parts compatibility.

The machine is equipped with a longer cam to increase uptime, as well as a shorter exit which allows for the increased output speed.

A variety of compound gun options are available, according to customer preference. Controls systems offered include Allan Bradley or Siemens.

For over 20 years CMC has been a leader in the lining industry. Our experience with spare parts and service assistance is unparalleled. In addition to selling new turn-key liners, we offer speed upgrades and rebuilds for existing liners, which can be a more cost-effective way to quickly increase the production capacity of your line.



Custom Machining Corporation
2090 West College Avenue
Englewood, Colorado 80110, USA
www.custommachining.com

CONTITECH-ELASTOMER-BESCHICHTUNGEN GMBH

HALL 3, BOOTH E21

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

Visit Continental at METPACK 2023. With more than 110 years of experience in the printing industry, Continental is the world's only manufacturer of coordinated ink transfer solutions for your metal packaging. Whether rollers, sleeves, printing blankets or high pressure plates, whether illustrated or self-adhesive, Continental provides you with comprehensive support when a branded product is created from your metal packaging!

The Continental team looks forward to meeting you at booth 3E21!

ContiTech Elastomer-Beschichtungen GmbH
Breslauer Str. 14
37154 Northeim, Germany
www.continental-industry.com/de/solutions/printing-technology

D PLAST A.S.

HALL 3, BOOTH C14

D PLAST a.s. is a manufacturer of food-grade sealing compounds for bottle and jar closures in the beverage and food industry.



D PLAST a.s. is your experienced partner in sealing solutions for crown caps, aluminum ROPP caps, plastic caps and lug caps.



Visit us at METPACK 2023, 02.05.-06.05.2023 at our stand 3C14 in hall 3. We are looking forward to seeing you.

D Plast a.s.
U Tescomy 206
760 01 Zlin-Luzkovice, Česká Republika
www.dplast.cz/en/

DANOBAT-OVERBECK GMBH

HALL 1, BOOTH B24

DANOBAT, OVERBECK AND HEMBRUG INNOVATIVE SOLUTIONS FOR THE CANNING INDUSTRY AT THE METPACK 2023

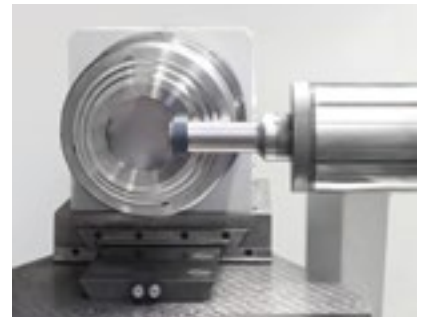
Danobat, Overbeck and Hembrug will be participating at the upcoming METPACK metal packaging show (Hall 1 Booth 1B24). The show will be held in Essen, Germany from May 2nd to 6th. The 3 leading brands manufacture grinding and hard turning machines for the production and repair of a wide range of container tooling.

The firms will exhibit the Overbeck IRD machine, which implements a novel flexible and economical/efficient? concept of manufacturing a whole range of tools for the copper tooling and body maker. Typical examples are Shell, Copper, Tab and Conversion tooling, Carbide Score Tooling, Necker Tooling, Scroll Dies and Punches in ceramic and hard metal. No matter what the application, the Overbeck IRD machine guarantees a high productivity and reliability.



All the machining solutions you need with or without automation.

The entire can production process requires different punches and dies tools where each form in turn requires a specific machining technology. With the Danobat external grinding machines, the IRD internal and radius grinders, which are developed in the German company Overbeck, and the hard turning technology from Hembrug, the group will show solutions to answer to the challenges faced by every tool maker today: machining hard to machine dies and punches with sub-micron precision, in as few process steps as possible.



Cost reduction and efficiency improvement

With these machining solutions and worldwide service support, the companies offer high precision and high production efficiency by enabling customers to:

- Perform multiple processes on one high precision grinding or hard turning machine and thus greatly reducing machining steps and change-over times.

Grinding worn tooling in a 24/7 production environment.

DANOBAT-OVERBECK GmbH
Konrad-Adenauer-Str. 27
35398 Herborn, Germany
www.danobat.com

DECOSYSTEM SRL

HALL 1, BOOTH C16

DECOSYSTEM is a Florentine company, founded in 2001 as a technology startup. DECOSYSTEM can now be considered a reference company in the field of vision systems and automatic controls with cameras. With over 40 employees, offices in France and Germany and a sales network present all over the world, DECOSYSTEM boasts a unique range of products and more than 3000 installations worldwide. The main sectors are food, pharmaceutical and cosmetic packaging, and all areas where the need for high quality, especially in printing, increase the value of the final product. In addition, DECOSYSTEM product guarantee the optimization of the production processes, reducing processing waste and therefore mitigating the environmental impact; any printing problem such as colour variation, stains, dirt, missing ink, miss-registration, etc.,

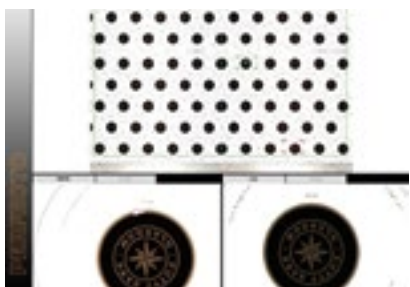
is detected automatically before creating a lot of waste. The defective material can be discarded directly in line or removed at the end of the production process.



At METPACK 2023, DECOSYSTEM will show to old and new customers the latest innovation and software solution for metal objects and sheets: SPECTRO system for in-line and offline solution for objects and PERFECTO for inline solution for metal sheets.



It's time also to present DECO-SYSTEM BIG DATA management solution (Global Production Report): to collect production data and make it consultable wherever you are and whenever you want. Web access from PC, tablet or mobile phone, this software permits you to have always handy and under control production situation.



DeCoSystem Srl
Via Petrarca 35
50041 Calenzano FI, Italy
www.decosystem.com

DEL FUSHENG MACHINERY

HALL 1, BOOTH B31

DEL LED UV CURING SOLUTIONS FOR COATING/VARNISHING

DEL Technology Corporation is introducing its latest LED UV curing solution for coating and varnishing purpose. For decades, the metal print industry seeks to find a more cost-effective and environmentally friendlier solution for curing. DEL Technology Corporation released its D018 LED UV curing system in 2017 and D020 III LED UV curing system in 2020, which have further promoted the utilization of LED UV technologies in the metal printing industry and have gained reputation from clients worldwide. The LED UV curing solutions in offset printing is now gradually accepted by increasing number of printing companies, yet the utilization of LED UV curing technologies is still difficult in coating and varnishing due to the essence of coatings and lacquers, thus making thermal tunnel ovens still a must in coating/varnishing lines. DEL Technology Corporation has devoted itself into the research of LED UV coating and varnishing technologies for years and has installed several UV and LED UV varnishing lines.

In the year of 2023, benefited from the breakthrough in the research of LED-friendly UV coatings and varnishes that has been carried out by close cooperation with coating and varnish providers, DEL Technology Corporation is proud to announce the DEL PowerLED UVSG LED UV curing system for coating and varnishing purpose. The system has 2 LED UV lamps and 2 mercury UV lamps that provide abundant energy for drying LED UV coatings and varnishes with strong adhesive force to the substrates. The system also adopts leveling units so that a smoother and even surface of coatings/varnishes can be acquired.



Printing and can making companies can now benefit from full-LED curing solutions for their facilities provided by DEL Technology Corporation without any natural gas or LPG needed to be burned. Without the thermal tunnel oven, the exhaust treatment can be much easier and at a significantly lower cost. It is estimated that a LED UV coating line can recover the investment of the system within only one year.

Del Technology Corporation
Town Taihua Village, Yunhu Village
214235 Yixing, China
www.sino-print.com

DRT MFG. CO.LLC

HALL 3, BOOTH A26

DRT specializes in design and manufacture of high-speed conversion systems and precision tooling for the food and beverage metal end market. Investing in people, customer service, and capacity, DRT is focused on bringing world class technical expertise, security of supply, and ground-breaking innovation to support global growth in metal packaging.

DRT is built upon a strong history of innovation, with our founder Ernie Frazee, creating the integral rivet, the key technology behind every modern Easy Open End produced today. DRT is going back to its roots in innovation by investing in world-class talent, implementing best-in-class development processes, adding capacity to meet and support new product development offerings, leaning into co-developments and customer collaborations, and protecting decades-deep knowledge through retention and succession to secure the next generation of innovators.



DRT is focused on innovation and improving the high-speed Vision Quad series of conversion systems for the food and beverage, Easy-Open

End market. Focusing on design, DRT will highlight its new Score Anvil Heater Kit, allowing end-makers to make "on-the-fly" adjustments to score residuals. Additionally, DRT will also share our latest innovation with end and tab design, providing healthy cost-saving opportunities and flexibility to end-making production. Known as the JCAT-91RS tab, DRT is aiming to provide the highest tab output per pound of aluminum on the market. Regardless of end design requirements, beaded or depressed panel, DRT can provide design engineering, high precision and high-quality tooling and technical service needs to help customers differentiate in the marketplace.



DRT Mfg. Co.LLC
618 Greenmount Blvd.
Dayton 45419, USA
www.drmtfco.com

DÜRR SYSTEMS AG

HALL 3, BOOTH E34

Electrified: Flameless air pollution control for the metal decorating industry

The printing and painting of metal surfaces typically involves the use of solvent-based paints and coatings. During drying, this inevitably produces exhaust gases and vapors containing harmful organic pollutants, which must be removed or neutralized in accordance with legal requirements.

In conventional exhaust air purification systems such as thermal oxidation (TNV) or regenerative thermal oxidation (RTO), additional heating is

usually provided by burner systems, which cause additional CO₂ and NO_x emissions using fossil energy such as natural gas or heating oil.

The optimization of the very energy-intensive processes in the Metal Decorating sector and the reduction of energy costs are up-to-date challenges. For downstream air pollution control, an electrically heated RTO system offers a technical alternative:

Dürr's Oxi.X RV cleans in an environmentally friendly and at the same time extremely economical way thanks to a particularly clever process: it is the only fully electric RTO that has been established on the market for many years. Thanks to technical further development and adaptation to the special challenges of the printing and coating industry, the Oxi.X RV provides the prerequisites for sustainable and CO₂-free production and makes a significant contribution to significantly reduced pollution in the industry.

With the flameless RTO, very small volume flows starting from 1,000 m³/h (!) can now be cleaned thermally and regeneratively. This is of particular interest for smaller emission sources, such as the extraction of density inserts, repair coating, etc. Such sources with low pollutant loadings are increasingly becoming focus of the updated European air pollution control regulations and can now be treated efficiently and cost-effectively with a decentralized electrical solution.



Dürr Systems AG
Calr-Benz-Str. 34
74321 Bietigheim-Bissingen, Germany
www.durr-ernergy.com

ELTOSCH GRAFIX GMBH

HALL 1, BOOTH D11

Eltosch Grafix GmbH, located in Pinneberg near Hamburg, develops and manufactures innovative LED-UV, UV and IR hot-air drying systems – made in Germany. The company is part of the Hönle Group which is represented in 28 countries by its own companies or partner companies. The group develops trendsetting technology solutions for a wide variety of industrial production processes.

For more than 70 years, Eltosch Grafix has been a reliable partner for the printing industry and the specialist for innovative drying and curing technologies in sheet-fed offset printing as well as in metal decorating and other industrial processes. The company has own locations in the USA and Asia and offers its customers a 24-hours service hotline.

At METPACK, booth 1D11, visitors will receive comprehensive information about the various applications for our conventional UV and LED-UV systems.

One of the show highlights are our LightGuide pureUV modules. They offer a compact design and a unique reflector geometry which allows a fast and complete curing at lower temperature input. The spectrum of the module can be perfectly adapted to each colour by using different types of lamps. A removable barrier filters out unwanted IR irradiation and thus allows lower temperatures on the substrate.



Learn more about the various application possibilities of our future-oriented LED-UV systems. Based on our huge experience with several thousand installations worldwide for

various applications, we have developed our powerful LED Powerline Focus modules. They offer low energy consumption, a very long lifetime and – thanks to LED technology – no stand-by modes. In addition, there is no ozone exposure. A special focusing optics enables high intensities and excellent curing results, even at high speeds.

Eltosch Grafix GmbH
Fahltskamp 64
25421 Pinneberg, Germany
www.eltosch-grafix.de

FEDERAL WELDER INTERNATIONAL LTD

HALL 1, BOOTH D30

Federal Welder invite all steel drum manufacturers to view our new and improved design high speed fully automatic drum welding machine on our stand 1D30 in Hall 1.

This is the latest evolution of the famous "Federal" steel drum welder, with over 180 machines in production worldwide.

100% designed, manufactured, assembled and tested in UK:



Federal Welder International Ltd
1 Chancel Place Ham Lane
Kingswinford DY6 7JR, United Kingdom
www.federalwelder.com

FELIX BÖTTCHER GMBH & CO. KG

HALL 1, BOOTH C41

Böttcher supports metal packaging producers in both the 2-piece and 3-piece segments with products of high quality and a focus on longevity and sustainability. With the experience and resources of the world's largest manufacturer of elastomer-covered rollers, including state of the art laboratory facilities, Böttcher works closely with ink and coating manufacturers to understand the chemical influences in the decorating process and provide materials with optimized compatibility.



In metal decorating applications, Böttcher offers a complete range of roller coverings for all ink drying systems, including the new Easy Cleaning System (ECS) rubber and ProPrint Neon polyurethane compounds, both designed for easier roller cleaning and accelerated job changes. Cooperation with coatings manufacturers resulted in the introduction of exciting new coating cylinder coverings for BPA-NI coatings with enhanced sheet release for lightweight stocks.

PRESS
TEC

Serviceunternehmen für Pressen aller Marken.

PRES
TEC

PRESS
CONTROL

PRESS
TEC

Pressebau.

PRESSTEC Pressentechnologie GmbH | www.presstec.com

Beverage canmakers using Böttcher's decorator roller coverings for hi-speed printing benefit from dramatically increased roller life resulting from reduced swelling, which in turn reduces heat build-up and ink misting, color variation and premature bearing wear. All this culminates in lower HFI's and maintenance cost.

Böttcher has also developed cleaning products with minimized environmental effects and health and safety implications, thus supporting the



manufacturers of "infinitely recyclable" packaging in their drive for sustainability and market credibility. Rounding off the product range are specially-designed blankets for both beverage and general canmaking for conventional and UV-curing ink systems and coatings.

With central R&D facilities in Germany and 27 production plants worldwide, Böttcher is committed to supporting the metal packaging industry in its quest to gain market share, increase profitability and improve product quality. We look forward to discussing what we can do to help you keep your business successful!

Felix Böttcher GmbH & Co. KG
Stolbergerstraße 351-353
50933 Cologne, Germany
www.boettcher-systems.com

FREI AG

HALL 3, BOOTH A19



Frei AG ▶ Soudronic Group

Soudronic AG
Industriestrasse 35
8962 Bergdietikon, Switzerland
www.soudronic.com

FUJIAN XIANGDA IMP & EXP CO. LTD

HALL 1, BOOTH E23

XD EASY OPEN END, OPEN YOUR EASY LIFE.

Qualified manufacturer with over 5 billion pieces EOE annual capacity.



Fujian Xiangda Imp. & Exp. CO., LTD
NO.10 Wuqiaozhong Road
363000 Zhangzhou, China
www.xd-corp.com

GEM S.R.L

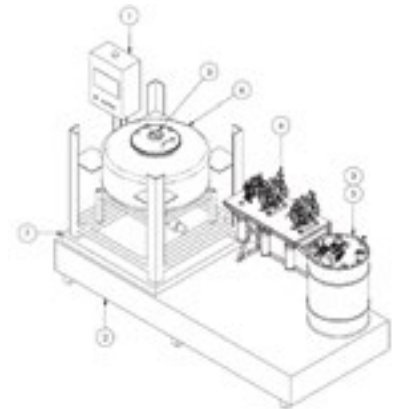
HALL 1 BOOTH B10

GEM Compound Solutions has been present in the automation market for over 2 decades with its innovation Compound Solutions and other important projects.

The main area of business is the Metal Packaging Industry in particular the management and application of compound.

GEM has been able to design constant technological innovations that guarantee the supply of cutting-edge Compound management, Lining Application and Controls,

which are functional, flexible and easy to use to our customers.



GEM owes its reputation as a leading supplier of high quality and highly efficient devices to more than 950 lining machines Worldwide.



GEM features among its customers the main leaders in the production of metal packaging solutions.

GEM S.r.l.
Via Don Griffanti 1
IT 21047 Saronno (VA), Italy
www.gemautomazione.com

GS&T S.R.L

HALL 1, BOOTH C48

The company GST Machinery is located in Turin, specialized in the construction of equipments for the metal packaging field. Founded in the year 2000 by Emilio Mussino, an expert with countless experiences in this field, who was the former President of Mecatronic. It has consolidated over the years as a real point of reference for the realization of special machines capable of welding and protecting metal bodies for different formats and types of line. The range varies from welding machines to ovens and to powder or liquid painting equipments. The company has been part of OTS Assembly "a leading company in the field of

high-cadence assembly” thanks to whose structure, it can face the new international challenges in terms of business development better.



GST Machinery collaborates with significant Italian and international companies and proposes its support and expertise in the supply of Turn-key-lines to leading industrial partners in the area.

An extensive experience, the attention in the assembly and testing of the equipment built, a great devotion paid to the customer, are the guidelines that allow GST to find and unite its place in the demanding world of metal packaging. It offers its customers a wide range of services, directly taking care of all phases of the project, from the study to the installation and start-up in loco, and presenting dynamic assistance with highly qualified technicians and a punctual spare parts service, renewed with lowest lead-time.



The core business of the company is undoubtedly represented by the production of automatic welding machines for large drums and boilers. The development of this product, especially over the years, meets the needs of the market in terms of Sustainability; specifically, it meets the reduction of waste and production time; Thanks to the integration of software that allows welding machines to work more flexibly, it has been possible to optimize various processes. For example, a system for the non-European market has recently been designed and built, capable of welding metal sheets with a thickness of up to 1.6 mm, which is

higher than any previous standard, with a redesign of the entire electrical system as the energy required for welding, would have been decidedly higher than ordinary canons.



GS&T S.r.l.
Via Massimo D'Antona 1/11
10040 Rivalta di Torino TO, Italy
www.gstmachinery.com

HOCHBACH GMBH

HALL 3, BOOTH B10

For over 50 years can-makers, closure-makers and producers of extruded tubes and aerosol cans all over the world have been relying on the individual services provided by Hochbach for their HOLAC® coatings, powder-coatings, metal printing inks and compounds.

The Hochbach team, including their second-hand machinery division for this industry, is looking forward to meeting long-standing friends and customers, and establishing new friendships at this exhibition. Our continual goal is to ensure our customers a one-stop location offering optimal solutions for all their needs.

Hochbach GmbH
Raiffeisenstr. 16
70771 Leinfelden-Echterdingen, Germany
www.hochbach.de

HUBERGROUP DEUTSCHLAND GMBH

HALL 1, BOOTH D43

hubergroup Print Solutions produces inks, varnishes, and printing aids for packaging, commercial, and newspaper printing. With UV, water- and solvent-based liquid inks, web offset inks as well as conventional and UV sheet-fed inks, the portfolio is broad-

ly diversified and tailored to the needs of offset, flexo, and gravure printers.

For metal packaging, the ink specialist developed the NewV tin ink series. These UV offset inks for pre-coated aluminium and tinplate sheets impress with their optimal adhesion and high reactivity. The NewV tin series is, thus, suitable for the production of trinket boxes, fasteners, packaging for chemical-technical products (CT packaging) and decorative steel sheets. Thanks to its special chemical composition, the ink series is recommended for high temperatures and sterilisation applications.

hubergroup Print Solutions always pays special attention to the sustainability of its products. In order to offer customers holistic solutions, the company also has proven fountain solution additives in its portfolio and offers comprehensive ink management services.

hubergroup Print Solutions is a division of the international printing inks and chemicals specialist hubergroup, which is based in Germany and has a 255-year history. As hubergroup Print Solutions obtains a large part of its raw materials from the company own division hubergroup Chemicals, it can define its own environmental and safety standards for inks and varnishes. hubergroup employs about 3,500 people in nearly 30 countries and generated an annual turnover of about €704 million in 2021.

hubergroup Deutschland GmbH
Sonnenallee 1
85551 Kirchheiml, Germany
www.hubergroup.com

HYPERION MATERIALS & TECHNOLOGIES

HALL 3, BOOTH B57

Hyperion Materials & Technologies, a U.S.-based global leader in the development of hard and super-hard materials, is proud to be a long-time partner to the global can making industry. The company manufactures premium tungsten carbide, ceramic and steel tools used to make two-piece cans by the drawn and wall ironed (DWI) process. Hyperion applies its materials science and engineering expertise to partner with can makers early in the product development process to manufacture custom tooling solutions that optimize performance and efficiency while reducing spoilage and stoppage time for changeovers.



Hyperion will showcase its can tooling products and services and promote its continued global capacity enhancements that benefit can makers worldwide, including those in North and South America, Europe and Asia.

Hyperion can tooling specialists and David Lieb, president of LPS, a Hyperion business partner, will be available throughout MetPack 2023 to connect with can makers about their can tooling needs.



Hyperion Materials & Technologies
Pol. Ind. Roca, Calle Verneda 12-24
08107 Martorelles Barcelona, Spain
www.hyperionmt.com

I.MER CO., LTD.

HALL 3, BOOTH A24

Automation system for 2-piece can and 3-piece (metal sheet) decorator

What kind of issues do you face at the metal decoration production site?

By installing the automated equipment we propose, it will be feasible to reduce costs of defective cans or sheets, increase production volume, save personnel training costs, improve safety, and reduce environmental impact.

We are looking forward to welcoming you on our booth and please let us know your production site issues.

Ink supply control and printing register adjustment systems that we exhibit at METPACK will solve such issues and lead you to higher quality and more stable production.

Automatic control of ink supply amount

If you are currently adjusting ink levels manually, take a look our IPC system. The amount of ink supplied is automatically controlled by operating the touch panel. In addition, the amount of ink can be easily adjusted with greater accuracy and less waste than before.

Already automated, but unhappy with reproducibility? Are there variations in operating skills?

Visit our booth Hall 3, 3A24, to discover the secret behind the high reproducibility of IPC system. And we will also introduce the early learning effect of the operation.

DividedDuctorRoller



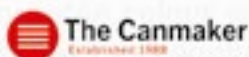
IPC system on 2-piece can decorator

The Canmaker

Established 1988

Subscribe to a primary source of business intelligence for metal packaging professionals

See us on stand 1D40, Hall 1 during Metpack



canmaker.com/subscribe-online



Precision printing register adjustment

Do you spend a lot of time registering the print on beverage cans when changing labels? Or is the register position unstable during production?

Then HAG and RAS systems will speed up the adjustment process, and you'll be amazed at the improved and consistent print quality. At our booth, try and experience these abilities.



Eco-friendly and reliability

Our systems are also suitable for those who want to reduce wasteful materials and reduce the environmental impact, while various costs are soaring.

Our systems have already been installed in many 2-piece and 3-piece decorators and have been in operation for many years, and continue to operate with high performance.

We are from Kyoto, Japan and it will be our pleasure to welcome you to our booth.

I. Mer Co., Ltd
Johungamae-cho 112
Shimotoba Fushimi-ku, Kyoto 612-8384,
Japan
www.imer.jp

INDUSTRIAL PHYSICS GMBH

HALL 3, BOOTH D29

Save time. Save finances. Save on seam inspection with Industrial Physics!

Speed up your process, reduce labor, and get access to better technology

with the CMC-KUHNKE SeamScan XTS system from Industrial Physics!



Industrial Physics – your test and inspection partner.

You may have heard of CMC-KUHNKE, Quality By Vision, Eagle Vision, TQC Sheen, and other product lines that provide robust packaging, product, and material test and inspection solutions.

These brands all belong to one group, Industrial Physics – your test and inspection partner.

At Industrial Physics, it's our job to protect the integrity of your metal packaging – for an entire century, we've been providing packaging, product and material test and inspection solutions to manufacturers, production lines, and laboratories across the globe.

Many of our instruments have been designed to save you money while protecting your finished product. And the CMC-KUHNKE SeamScan XTS solution does just that.

So how exactly does the solution save you money?

We analyzed our Seamscan XTS solution against traditional destructive seam systems... and the results were clear.

Save time.

Based on reduction of inspection time at a beverage facility after change to non-destructive testing.

- Cans tested: 12
- Inspection time to measure 12 cans (3 locations) with traditional destructive testing = 35-50 mins. (depending on operator)
- Inspection time to measure cans using SEAMscan XTS = 15-20 mins.
- Benefits = money saved during operation, a more efficient process, reduced labor costs

Total reduction in inspection time: 65%

Save money.

Based on reduction of package spoilage at beverage facility after change to non-destructive testing.

- Cans tested: 288 per day (four 12-head seamers with cross-section test made every 4 hours, running 24 hours a day)
- Production days: 350 days per year
- Customer valuation of filled can: \$ 1.00 per can

Total savings: \$ 100,000 per year

NB: cost savings do not include additional cans destroyed for re-checks/line set up and adjustment.

Want to find out more about the range of metal packaging test and inspection solutions at Industrial Physics? Visit industrialphysics.com!

Industrial Physics GmbH
Colditzstraße 34-36
12099 Berlin, Germany
www.industrialphysics.com

INDUSTRIAS PENALVER S.L

HALL 3, BOOTH C31

Peñalver is the world market leader in post repair machines, with more than 400 units distributed in 37 countries. The systems are capable to lacquer 600 round ends in a single lane (1200 in dual lane) and 400 irregular ends. Other Peñalver's product is a compound liner for non-round ends, with speeds of 600 shells in a minute in just a single lane. After this process, the shells are perfectly cured in an extra-long vertical oven. As a new in this show, Peñalver will showcase a vertical convection oven design for round ends, irregular ends and twist-off caps. It is able to reach 200°C to dry several kind of compounds and glues, occupying a minimum space.



Industrias Penalver S.L.
P.I. El Tapiado
30500 Molina de Segura, Murcia, Spain
www.penalver.com

INNOSEN LTD

HALL 3, BOOTH E41

FIRST AND ONLY IN THE MARKET:
Innosen's newest sensor offers protection against lacquer defects on side seams

Innosen, which stands for Innovative Sensors, continues to bring more innovations in the metal packaging industry as it launches the IS670 Missing Side Seam Lacquer Detector – THE FIRST OF ITS KIND IN THE MARKET.

Innosen always takes up challenges and has pledged to dedicate its team to come up with the most innovative solutions for its clients. That is why over the years, the company has striven to produce sensors that offer full protection to 3pc-cans such as the IS231 Double Sheet Detector, IS651 Missing Lacquer Detector, and IS631 Inverted Blank Detector, among many others.

The IS670 Missing Side Seam Lacquer Detector is yet another sensor that protects can makers from getting the worst customer complaints they could ever get-leaking cans!

The IS670 Missing Side Seam Lacquer Detector is designed to detect a completely missing external lacquer

and an incomplete or non-lacquered gap on the side seam of the can.



A side stripe is a transparent lacquer applied on the external side seam of the can to protect it from corrosion. Any damage on the side seam is considered a major defect in cans-unprotected side seam causes extreme damage like can leakage and worse, product recall due to customer complaints!

The IS670 is best installed after the lacquering station or before the curing station. Once installed, can makers are guaranteed that the side seam of the cans are fully protected all the time. It works on all kinds of lacquers including transparent and colored ones.

The sensor also detects twin-welded can body, and it has a configurable output pulse width and delays for PLC settings. (Email info@innosen.com for more details)

COMPETITIVE FEATURES INCLUDE:

- Fully automatic re-calibration
- No controller needed
- Stainless steel housing
- Circuit resistant to shock, vibration, and humidity
- Compact and narrow for convenient installation
- Provides reject signal if no lacquer is detected
- Gives heartbeat signal to ensure equipment is fully operational
- Configurable output pulse width for PLC settings
- Configurable High and Low Frequency Reject warnings for quality assurance metrics

THIS SENSOR TAKES YOUR WORRIES AWAY FROM UNDETECTED UNLACQUERED SIDE SEAMS!

ASK US HOW TODAY. For more information about Innosen and its products, visit www.innosen.com or contact us at info@innosen.com

The IS670 External Side Stripe Detector will be available to canmakers worldwide by February 2023.

Innosen Inc.
808 Citystate Centre Building,
709 Shaw Boulevard
1600 Pasig City, Philippines
www.innosen.com

INSENSIV GMBH

HALL 1, BOOTH E51

insensiv is a medium-sized company with about 80 employees based in Bielefeld, Germany. Since 2006, insensiv has been developing image processing systems for various applications with a focus on intelligent camera technology and sensor technology. In addition to components for reverse vending systems, this also includes reverse vending and exchange machines as well as solutions from the field of quality assurance.

We offer our customers a wide range of camera-based quality inspection systems for the metal packaging industry, among others.

In addition to the 360°Scan decor detection system, we can offer our customers the following solutions:

- DPG certified inspection unit for the DPG deposit logo for DPG color users (options: offline, integration in measurement gauges, inline).
- AI-based inline OCR code reader for cylindrical, reflective surfaces. Further fields of application on request.
- Inline rim coat inspection (rim coat: coating to improve the transportability of metal cans in the filling process)
- Inline lid inspection system for checking tab color, punching and tab misalignment

- Inline print image comparison of can lids via scanned PDF template
- Inline detection of foil residues in metal packaging
- Camera-based can counting on mass conveyors or discharge chutes

Our systems are designed for a complete 100% control of your production.

In addition, we are happy to support you with your individual inspection requirements.

insensiv GmbH
auf dem Ech 28
33619 Bielefeld, Germany
www.insensiv.de

INTRALOX LLC EUROPE

HALL 3, BOOTH E47

Partnering with our customers and understanding what is critical for their business is integral to who we are. Since patenting the first ever modular conveyor belt in 1970, Intralox's continuous improvement methodology has enabled us to bring innovation and significant economic value to some of the largest companies in the world, across all industries.

Our industry-focus has resulted in teams of experts – whether it's Logistics and Material Handling, Meat, Poultry and Seafood, Tire Manufacturing, Bakery, or Can Making – who are able to meet any challenge in any plant head-on and work together

with the customer to determine the best solution to meet their goals.

The introduction of the Series 560 Tight Transfer Belt is our newest example of meeting the challenge of our customers. The Intralox S560 belt offers an exceptional tight transfer solution for mass can conveyance. Eliminating the need for dead plate transfers, S560 belting has been shown in field testing on 12 oz sleek cans to reduce spoilage by 70% compared to transfers with dead plates. The S560 also prevents cans from becoming stranded on dead plates, removing the liability of palletizing mixed labels and reducing labor needed to clear the line of stranded cans at each label change.



Benefits:

- Eliminate stranded cans on dead plates
- Reduce tipped cans and spoilage
- Reduce risk of palletizing mixed labels
- Eliminate time consuming and difficult dead plate set-up and maintenance on hard-to-access conveyors
- Allows the mechanical team more time to focus on critical line operations by avoiding dead plate maintenance and clearing stranded cans

Intralox Reliability

As manufacturers across the globe face supply chain issues, Intralox remains committed to keeping you up and running. We've built our reputation on maintaining our full-scale ability to provide resources, belting, and services around the world – regardless of supply chain issues. We're committed to keeping you informed of how we're doing.

Over the last two years, Intralox has delivered over 295,000 orders to our customers. These orders include over 75,000 belt configurations, delivered with 99% on-time shipment and 99%+ accuracy.

Our capabilities and supply chain remain in excellent shape. We continue to deliver at our normal high standards of reliability and quality. As a reminder, we offer:

- Standard seven-day lead time
- Expedited services: four-hour, same-day, next-day, and three-day options
- Consistently deliver 99%+ order accuracy and on-time ship rates.
- Industry-best expedited belt ship date guarantee of \$20,000/€20,000.

Visit www.intralox.com/support/guarantees for further information.

Be sure to visit us at booth 1E51 at Metpack to talk to our Can Team of experts and find out how our products, solutions, services and reliability can help you optimize your projects today

Intralox LLC Europe
Lemelerbergweg 31A
1101 AH Amsterdam Z-0, Netherlands
www.intralox.com

INNOSEN

NEW! IS670

Missing Side Seam Lacquer Detector

Detects missing lacquer on side seams of 3pc cans.



**THE
FIRST &
ONLY OF
ITS KIND!**

JORSON PACKAGING MACHINERY CO., LTD.

HALL 3, BOOTH B29

Powder Coating & Complete Line Solution

Corrosion would happen on the welding points, such as side seam welding, ear lug welding for pail, handle welding for square lid or rectangular lid. Coat by lacquer? Protection is not sufficient for food and water base paint. Powder will provide you a perfect solution!



Cutting edge corrosion? Powder coating also gives you surprising result!

Corrosion would happen on the welding points, such as side seam welding, ear lug welding for pail, handle welding for square lid or rectangular lid. Coat by lacquer? Protection is not sufficient for food and water base paint. Powder will provide you a perfect solution!

Cutting edge corrosion? Powder coating also gives you surprising result!

Jorson have supplied the world more than 400 sets of side seam inside powder coating system. With it's experience, explores to create more powder applications.

For more information, please come to our booth No. 3B29 in Hall 3.

JORSON Packaging Machinery CO., LTD.
No. 638 Guokang Avenue
511447 Panyu District, Guangzhou, China
www.jorson.com.cn
www.can-equipment.com



KLINGHAMMER GROUP GMBH

HALL 3, BOOTH B32



The Klinghammer Group – New brand combines Klinghammer, Bertil Ohlsson and Larsen

The new company "Klinghammer Group GmbH" was established from former independent companies Klinghammer, Bertil Ohlsson and Larsen.

These three companies, Klinghammer, Bertil Ohlsson and Larsen represented over 275 years of combined experience and competence in developing canmaking technology and gained a high reputation for the quality and reliability of their equipment.

Based in Braunschweig, Germany, the product range of the new, independent, privately-owned Klinghammer Group includes machines for beading, necking, flanging and seaming as well as for expanding and, last but not least, ear welding and bailing. The focus is placed on

general line machines for three piece cans, which combine flexibility and short and easy change-over.

For standard round cans the Klinghammer Group offers machines for beading, necking, flanging and seaming. Three different principles of flanging are available, die or spin flanging as well as roller flanging in combination with the ability for necking. Customer specific variants for curling instead of flanging are available as well.

The Klinghammer Group offers stretch forming machines to expand welded bodies to irregular shapes. These can have conventional circular ends to be seamed with round standard ends and be irregular only in the middle part, or can be of asymmetric shape over the full height of the body.

The first version can be flanged by the Group's flangers using the spin flanging principle. This principle combines a still standing body and the low axial load of spin flanging heads and is the method of choice for shaped cans with standard circular ends. The low axial load prevents shaped bodies from collapsing and the still standing body is a precondition for handling of asymmetric shapes. Different models for flanging only or for combinations of flanging and seaming are available.

The latter version can be flanged by Klinghammer Group's irregular flangers. These robust machines use the squeezer flanging principle to produce flanges of high regularity around the non-circular contour. The Group of course offers matching irregular seamers.

The Group's round and irregular seamers are also suitable for the production of composite cans.

Finally, to complete the back-end operations of three piece canmaking, Klinghammer Group offers machines for ear welding and bailing as well as for handle welding to canister tops.

Klinghammer Group GmbH
Am Hafen 2
38112 Braunschweig, Germany
www.klinghammer.com

KLINGHAMMER GROUP GMBH

HALL 3, BOOTH B32



Klinghammer Group GmbH optimises expanding machines for shaped cans.

Klinghammer Group GmbH, the Braunschweig, Germany-based manufacturer of machines for the production of three-piece cans, has been building machines for the mechanical expansion of welded can bodies for the production of shaped cans for many years.

These expanding machines convert the welded circular-cylindrical bodies into other shapes, e.g. rectangular, convex or concave, round-square-round and many other custom shapes.



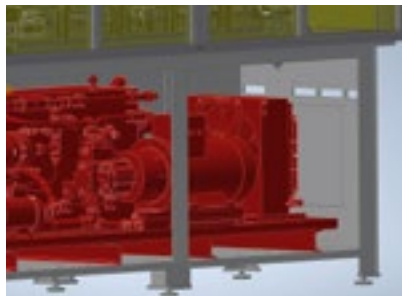
As part of the continuous improvement of these machines, the Klinghammer Group is now introducing two new developments that will bring many simplifications for users.

The transfer slide, which moves the bodies out of the conveyor star onto the expanding tools and back again, was previously driven pneumatically. Because of the relatively large stroke,

this drive contributed significantly to the compressed air consumption of the expanding machines.

In the course of the first new development, a linear axis with servo motor drive is now used instead of the previous pneumatic cylinder. This new solution offers many advantages. For example, compressed air consumption and the associated costs are significantly reduced. Furthermore, product changeover is easier, as the exact position of the bodies can now be easily set or selected via the control panel and the replacement of mechanical stops is no longer necessary.

The second new development concerns the cooling system of the expanding machines. The expanding tools are driven by a powerful hydraulic unit and the hydraulic oil must be cooled, at least at higher production speed. Until now, this was done via an oil-water cooler, which required an external supply of cooling water. Although many customers were able to take this cooling water from the circuit for cooling the can body welding machine, the capacity had to be available and a certain amount of work was always necessary, e.g. supply tubes and hoses to the expanding machine.



In the course of the second new development, an oil-air cooler is now used instead of the previous oil-water cooler. So the cooling system is now completely integrated into the machine. This means that the external provision of cooling water and the associated supply lines can be eliminated. This significantly simplifies the installation of the machine, as only the usual electrical and compressed air connections are required.

In addition to these now even further improved expanding machines, Kling-

hammer Group GmbH also offers the appropriate flanging and seaming machines for further processing of the shaped bodies and this for both round and non-round shapes.

Klinghammer Group GmbH
Am Hafen 2
38112 Braunschweig, Germany
www.klinghammer.com

KMP CO., LTD.

HALL 1, BOOTH E09

KMP is a friend of Can maker. As a metal decorator, it provides various types of printed/lacquered sheets for tuna Can 3PC/DRD, milk powder Cans, food Cans, aerosol, caps, industrial Cans manufactures and food companies.



With the help of high tech and accumulated experience on the multi-color printing, we could have supplied the world class consistent qualified products to global Can makers.

As a food packaging material supplier, we qualified ISO22000/FSSC22000, BRC, HACCP certificates from DQS, SGS, Lloyd. So it is now exporting printed/lacquered sheets around the world including US, SE Asia, Australia/NZ, Africa/EU. We are specialized in food Can like tuna 3PC/DRD body/ends, and milk powder/nutrition formula Can. To global can maker, BPANI is essential to prevent customer health safety issue.

Order amount is not matter to KMP because it has the largest facility in the world including one 8 color printing line, two 6 color printing lines and outstanding 8 coating lines. Total 14 lines can produce whatever the customer's needs and time

control is perfect choice for mega Can maker.

As global compliance of environmental requirements is stronger and essential recently, KMP invested on 5 million US dollars on RTO system to minimize the VOC pollution on air and acquired ISO14001 certificate to comply ESG principle.

KMP have global communication experience about design and all special needs. Between customers in EU and Design house, we make good communication and solve color issue and encrypted design certified recently. Also, long experience on CTP and smart color technology, we can provide best color to customer and the satisfaction of customer are maximized. We also applied vision system for all multi-color lines and try to supply consistent quality from start to the end.



KMP will keep promise with our customers that we will provide the best quality products on time with competitive price to make our customer win at the market with us.

KMP Co., Ltd.
108, Haewian-gil, Doonpo
Asan city, Chungnam, Korea 31421
www.metalcolorist.com

KOENIG & BAUER METALPRINT GMBH

HALL 3, BOOTH B39

Opening up individual opportunities for metal decorating

Koenig & Bauer MetalPrint supplies complete printing and coating lines

in the most varied configurations – specifically for printing or coating or for a combination of the two. Our solutions range from 1-colour printing presses to 140m long metal decorating lines with printing and 2-sided coating in one machine run. Each line is individually tailored to the customer's specific requirements.

We offer a full spectrum of services from line modifications to the delivery of a complete new production line – all from a single source.

Our highlights for this METPACK:

- The benchmark in metal decorating the new MetalStar 4
- A new way of transporting metal sheets with our Venturi Sheet Transport
- Our new energy management system VisuEnergy X
- The complete range of services for metal decorating



The benchmark in metal decorating – the new MetalStar 4

We look forward to showing you the benefits from the modern features of MetalStar 4, such as our closed loop colour monitoring system MetalControl.

A new way of transporting metal sheets with our Venturi Sheet Transport

Nothing transports more gently than air. Our new Venturi sheet guide uses air cushions to transport the sheet as gently as possible. Curious? We are happy to show you the next level of sheet travel.



Our new energy management system VisuEnergy X

Energy costs are one of the biggest challenges today. Energy reduction is more important than ever. Our energy management system VisuEnergy X follows the simple principle of "measure – visualise – realise" to transparently display your energy consumption. Thus, you and our certified energy consultants can get the maximum savings for you.

Service of Koenig & Bauer MetalPrint

Our Service team supports you with a comprehensive range of services to ensure that your machines and systems produce reliably throughout their service life. We optimise the availability, productivity and print quality of your lines.

Koenig & Bauer MetalPrint GmbH
Wernerstr. 119-129
70435 Stuttgart, Germany
www.kba-metalprint.de

LANGHANS INNOTREC GMBH

HALL 1, BOOTH A02

Langhans Innotec GmbH, the specialist for tinplate cutting, blank handling, slitter accessories as well In-line and Off-line quality control for slitters & coating lines, will present novelties and updates of its comprehensive product range at booth 1A02.

QMC Quali-Mation Control: the new generation In-line quality control system for slitters and coating lines., Industry 4.0 ready. Modularly expandable from basic unit to slitter control centre.



BBM 1000-2023: Blank measuring table with optimised operation and visualisation, touch panel and data transfer

CGB-2023: Off-Line Roller cutter grinding unit with automatic grinding process. Two grinding modes selectable, visualisation/operator guidance via touch panel. Eliminates slitter and can contamination as well Line-Stand-still, expands cutter and shaft lifetime, max. operator safety, for the perfect cutting edge

SBR-2023: Single blank rejector for automatized ejection of unsquare blanks, lacquer contaminated single blanks or single blanks with print faults. Re-designed & optimised version with a very interesting price/performance ratio.

Let's meet at Booth 1A02 ...

Langhans Innotec GmbH
Lagerhausstrasse 20
8594 Güttingen, Switzerland
www.langhansinnotec.ch

LANICO – MASCHINENBAU OTTO NIEMSCH GMBH

HALL 3, A42

Can Former CF 589-pro: High output, low material consumption

LANICO is presenting a high-performance machine to produce 3-piece aerosol cans at METPACK (Essen, Germany Hall 3/Stand A42). The newly developed Can Former CF 589-pro achieves production speeds of 500 cans per minute and processes super thin body material down to only 0,13 mm thickness. In doing so, the machine enables material savings of up to 30 percent compared with conventional machinery.

The new Can Former CF 589-pro offers supreme machine availability. During format changes, height adjustments can be performed in only 20 seconds without the need for additional tools. The machine uses modular tools, allowing a com-

plete format change (diameter) in only 150 minutes.

The Can Former CF 589-pro features the hand Recipe Management System (RMS), which integrates all the major production parameters, such as height, machine velocity and spindle speed. By accessing previous settings, parameter changes can be performed in only a few seconds.

More highlights on METPACK 2023

LANICO will present additional product innovations at METPACK. Among the highlights is the product line "LANICO /KSM transport systems" featuring high-speed end destackers, capable of handling ends over 1.000 ends per minute.

A new seaming module for rectangular 5 litre Cans showing the speed up to 100 cpm is another highlight on the Lanico stand.

Innovative digital assistance systems for smart applications (KUTSCHER) as well as new creative process software tools (CASE) to improve the connectivity for the can production lines will be presented on the show.

Lanico-Maschinenbau Otto Niemsch GmbH, based in Braunschweig/Germany, has been manufacturing machines for the can-making and canning industry for more than 100 years. Today, the company is one of the world's leading manufacturers of equipment to produce technical packaging. Lanico is one of the top suppliers of compact necking, flanging, and seaming machines, complete production lines, especially in the field of aerosol and rectangular can manufacturing. (www.lanico.de)



The new Can Former CF 589-pro by LANICO processes up to 500 cans

per minute with minimal material consumption.

Lanico-Maschinenbau Otto Niemsch GmbH
Broitzemer Strasse 25 – 28
38118 Braunschweig, Germany
www.lanico.de

MAGNETEC S.R.L.

HALL 1, BOOTH B10



Magnetec is synonymous with magnetic technology applied to industrial metal packaging. The company proposes itself as a manufacturer of equipment and machinery for the field of metal packaging and food industry, offering innovative and effective solutions. Magnetec designs and manufactures magnetic equipment like magnetic tracks and pulley, magnetic separators, magnetic heads for palletizers, conveyors, elevators and complete line to handle metal products (cans, lids, caps, crown corks, sheets, scraps, etc.). Magnetec is specialized in the construction of automatic machine like Wrappers, Unwrappers and automatic feeders

for seamer; moreover we're able to design and develop special machines to handle metal products (tinplate and aluminum). Our motto is: magnetism, flexibility, ease of use.



Magnetec S.r.l.
Via Vincenzo Monti 58
20016 Pero MI, Italy
www.magnetec.it

MAIKO ENGINEERING GMBH

HALL 3, BOOTH A32

New developments at Maiko Engineering GmbH for more sustainability by reduction of CO₂ emissions and higher recycling rate.

In response to the increasing demands of climate change, we at MAIKO have recently focused on tool and product developments that can reduce CO₂ emissions by sheet thickness reduction and the substitution of plastic with metal in the packaging industry.

In the area of sheet thickness reduction, we have optimized our tools in recent years to enable processing of the latest thin and high-solid steels while maintaining the same product characteristics. In order to still ensure good closure, we have also developed optimized seaming roll profiles. As a result, our custom-

ers can benefit from a significant cost saving, but more importantly, CO₂ emissions can be considerably reduced.

Particularly in the production of aerosol components (tops/domes and bottoms), we have completed extensive trial projects and customer projects for numerous product sizes in recent years with very good results, especially when processing the material rasselstein® Solidflex but also for other materials. The material savings achieved were in some cases in the 2-digit %-range.

For aerosol domes, a new cooperation with a well-known press manufacturer enables us to offer complete lines in which our die system is installed in special presses including transfer.

Since the recyclability of raw materials is also an elementary factor from an environmental point of view, and since the raw material metal has a

far better recycling rate than other materials, such as plastics or composites, we as toolmakers for high precision tools have been engaged in the development of products, through which plastic can be replaced by metal. For example, we are able to develop various can formats made of metal on customer request and have also already developed a resealable "slip-on" or "push-on" lid made entirely of metal.

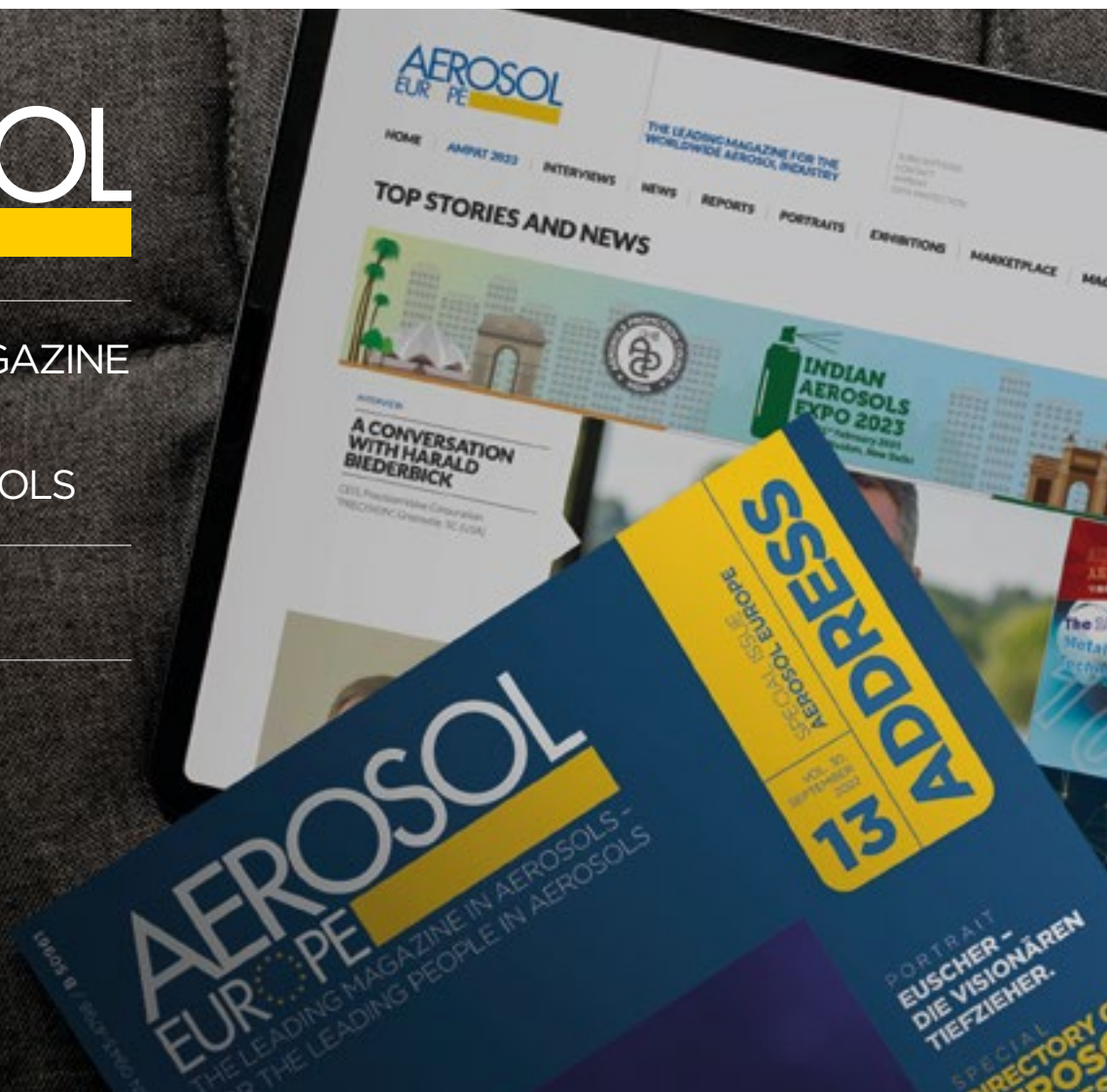


Maiko Engineering GmbH
Adam-Opel-Strasse 12
38112 Braunschweig, Germany
www.maiko.de

AEROSOL EUROPE

THE LEADING MAGAZINE
IN AEROSOLS –
FOR THE LEADING
PEOPLE IN AEROSOLS

aerosoleurope.de



MALL+HERLAN GMBH

HALL 3, BOOTH A15

mall//herlan is the leading supplier of turnkey IE and DWI lines for the production of monobloc aluminium and steel containers and aluminium collapsible tubes. Customers worldwide are convinced by mall//herlan's machines and complete line and their processes of Impact extrusion as well as DWI.

Our new and worldwide fastest production line, the CMX, a new developed high speed impact extrusion line, with a production speed of 250 cpm enables our customers to have maximum capacity and best efficiency.



Furthermore, to increase capacities and efficiency of cans with gorge and bottle with thread mall//herlan presents the new developed Soft-bumper for the necking machine. Depending on can and bottle design increase of more than 30% capacity is realistic.



Another great issue for the aerosol industry is the price increase for raw material like aluminium. The ability to produce lightweight monobloc cans is a great advantage. An ironing machine succeeding the press will lead to measurable aluminium savings. But the ironing machine does far more than just lengthen the cylinder. It optimizes the wall thickness and the can bottom forming. The ironed can has a smoother surface,

which allows better coating and more precise ink application.

Mall + Herlan GmbH
Wöschbacher Straße 33
76327 Pfinztal, Germany
www.mall-herlan.com

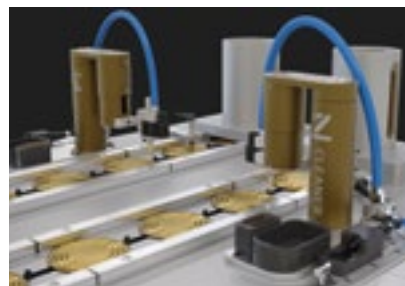
MATRIRUIZ, S.L.U.

HALL 3, BOOTH D21

Matriruiz, S.L.U. is a company focused on the production of liners for irregular ends since the creation of the first machine, the Spider Head Liner, granted with the Innovation Golden Award in 2014 Metpack edition.

The next step in the evolution of the lining application developed by Matriruiz was the presentation of the complete lining machine in Metpack 2017 with the revolutionary DL600 liner able to line up to 600 ends per minute in a double lane machine by means of a continuous movement of the end.

Following with the culture of improving the lining technology, the company is going to present a cleaning head for liners of round formats called ZCleaner.



This accessory for round format liners is based on a small servo-controlled arm that allows the injector to move towards the cleaning area, which has a housing for purging, a cleaning brush and a housing for the airtight position of the injector. This airtightness is achieved by self-pumping a liquid (either water, food-grade vaseline or any other liquid) so that the injector remains submerged when the line stops.

Visit the booth 3D21 to discover more about ZCleaner and some

other news in the field of the production of irregular ends.

Matriruiz, S.L.U.
Calle Mercurio 77
30500 Molina de Segura, Spain
www.matriruiz.com

MEPALINE DI ANDREA PARISOTTO

HALL 3, BOOTH E31

MEPALINE is one relatively new brand of innovative equipment for 3-piece can manufacturing, specifically referring to welded side seam protection applications.

Established in 2019, MEPALINE design, manufacture and service worldwide side seam protection equipment, suitable to any production line speed and layout configuration.



Counting on the extensive experience and high skills of their staff, MEPALINE did not take long to stand out as a dynamic, flexible and innovative new player in the demanding and ever challenging Metal Packaging Industry.



Located nearby Turin (Italy), MEPALINE are committed to providing

authoritative and targeted advice, followed by a concrete and punctual proposal aimed to offer the maximum benefit to the end user while keeping in mind both economic and timing factors.

Mepaline is specialized in designing, manufacturing and installing a very specific range of automatic lines, such as:

- electrostatic powder weld seam protection systems
- liquid weld seam lacquer protection systems (roller, air spray, airless)
- gas, electric and infrared curing ovens suitable for any can size

for the production of food and general line cans, aerosol cans, pails, drums.

Merpaline Di Andrea Parisotto
Via Grange Palmero 210
10091 Alpignano, Italy
www.mepaline.com

METLAC SPA

HALL 1, BOOTH C18



The Metlac Group manufactures more than 60.000 tons per year of coatings (lacquers, enamels, varnishes and offset printing inks) designed for the internal protection and the external decoration of metal packaging for food and beverage.

Thanks to this volume, Metlac ranks among the world's leading manufacturers in this business. Pioneers in the Development of coatings for Food cans, Closures and Beer and Beverage cans, Metlac is today meeting the highest standards of quality, consistency, regulatory and performance requirements with innovative formulations.

Customers of Metlac Group not only enjoy confidence in knowing that they are buying the best products on the market today, but that, with Metlac's recognized diligence, they know they will buy the best products

for tomorrow.

Metlac Group's extensive range of technologies includes:

- Waterbased, solventbased, 100% solids, pigmented, clear, gold and special effect coatings.
- Ultra low VOC
- UV, LED and EB cured ink and varnishes.
- BPA ni systems using polyester, acrylic and polyurethane
- METPOD Polyolefin dispersions (POD)

Metlac Group's customers are the world's metal packaging manufacturers. They drive the R&D work of the Metlac Group laboratories where, through innovation, Metlac Group looks to continuously develop new technologies providing customers with marketing possibilities, food contact safety, environmental compliance and cost reduction and efficiency benefits up and down the supply chain.

Metlac Group offers the widest possible range of internal and external coatings for sectors of the metal packaging market from Beer and Beverage through Food containers to Caps and Closures.

Today the majority of Metlac Group's production consists of BPA ni coatings. In addition Metlac Group is at the forefront of development in UV and LED cured inks and varnishes, low VOC and waterbased systems and special effect coatings for enhanced decoration and final product appeal.

Metlac Group's UV inks and varnishes are capable of satisfying high mechanical demand situations with strong resistance to the most severe sterilisation treatments.

The Group is developing pigmented coatings cured by Electron Beam (EB) for direct application to metal for external decoration and there is scope to develop 100% solids food contact grade lacquers.

Metlac Group is now supplying customers with a new BPA-free water-based polyolefin dispersion (POD) technology. The products from this

technology are targeted at the Beer and Beverage, Food D&I and EOE sectors. The benefits include levels of internal performance similar or superior to conventional BPA containing products and the possibility to meet potential future legislation regarding limits on, for example, formaldehyde and styrene.

Metlac Group will continue to pursue new technologies with the objective of ensuring the metal packaging remains a preferred choice for Food and Beverage companies.

METLAC SPA
SS 35 Bis dei Giovi 53
15062 Bosco Merengo AL, Italy
www.metlac.com

METPACKER AMBALAJ MAKINE

HALL 3, BOOTH A10

METPACKER is a New Player with Long Years' Experience in Metal Packaging Industry

METPACKER is a young and dynamic company, that combines the know-how obtained from long years' experience in metal packaging industry with a passion for manufacturing innovative and high-tech machineries. The co-founders of our company have been working in metal packaging industry for more than 30 years. They started their new journey by establishing METPACKER.

We know great about common needs of our customers with our in-depth metal packaging industry experience and we provide fully automated, standard and tailor-made machinery solutions according to our customers' needs.

MP-BW106 Can Body Welder

The Can Body Welding is the most significant operation of three-piece can production. In this operation, the body blank is rolled into cylindrical shape and the seam overlap is welded.

You can obtain excellent welding quality with our latest technology MP-BW106 Can Body Welder.

The outstanding features of our Can Body Welder is:

Easy Control & Smart Software

- With a powerful industrial PC and advanced smart software, it is Industry 4.0 compatible and open to worldwide wireless access.
- 15" touch screen with user friendly interface easy to operate.
- All your other needs such as slitter, blank transfer, side seam protection system and curing oven can be controlled from the welder's control panel.

Energy Saving

- Static frequency converter allows distribution and adjustment of welding current with low energy consumption.

Quick tooling change

- Practical and easy size change in very short time and then ready for new production run.

Our MP-BW106 Can Body Welder is perfect solution for medium-speed three-piece tin can production with its excellent features.

Technical Data

Production capacity:

100 cans/ minute

Diameter range: 65- 110 mm

Height range: 50- 320 mm

Welding overlap: 0.6 mm

Blank thickness: 0.18-0.26 mm



METPACKER AMBALAJ MAKINE
Sultan Orhan Mah. Gebze Oto S 15A-8
41400 Kocaeli, Turkiye
www.metpacker.com

MICROMECC SRL

HALL 3, BOOTH B13

Over 40 years of experience, high precision machinery supported by state-of-the-art software, qualified and continuously trained employees, monitoring systems throughout the production chain along with an all-Italian passion. At Micromec we work together with our customers to develop testing protocols best suited to ensure consistency, repeatability and durability. In our metrological laboratory we can measure with an accuracy of a tenths of millimetre to tenths of a micron, and we are able to certify the quality of our products. We have developed a method based on 5 pillars: **An experienced and skilled team** Our highly qualified and constantly updated staff has an average working experience of about 25 years. **State-of-the-art technology** High-precision machinery and state-of-the-art software for which we have invested an average of 8% of our annual revenue. **Problem solving** We find design and engineering solutions to meet our customers' need and solve emergency situations. **On-going process control** We have set up a system to monitor and analyse our processes, to know the progress of each project and keep our customers update. **Certification** Micromec is able to provide product certification using the appropriate tools.



OUR SERVICES consist of:

- **PROGRESSIVE DIE**
We design and manufacture a wide range of dies with the highest quality materials to prolong service life and improve production line productivity.
- **METAL PACKAGING**
We have over 40 years experience in designing and building: primary and secondary scroll tools, end tools, tab tools, conversion tools.
- **ENGINEERING AND REVERSE ENGINEERING**
We tackle design and production challenges based on the analysis of manufactured parts to improve their performance.
- **SPARES-OEM AND REFURBISHING**
We design and manufacture a wide variety of spare parts with complex geometries, difficult angles and tight tolerances

OUR AREAS OF EXCELLENCE IN METAL PACKAGING:

Easy open end-Open Ton-Twist off-Closures-Crown corks-Peelable ends

MICROMECC SRL

Via Oalermo 37

20057 Assago MI, Italy

www.micromec.com

MMR GROUP PRINTSOLUTIONS

HALL 1, BOOTH E08



Offset and dry offset printing

2-piece and 3-piece can printing; printing on plastic caps, ends, closures, lids and tubes

MMR Group Polska sp. z o.o. – with its unit MMR Group PrintSolutions – is a family company with head office in Poland, which develops and provides the state-of-the-art printing materials for almost 30 years. Its main value is a flexible approach to the needs and requirements of the client, with particular emphasis on efficiency and environmental protection.

MMR Group PrintSolutions offers printing blankets for both offset and dry offset printing, and supplies them with appropriate bars for all types of offset presses existing on the market, as well as in form of self-adhesive blankets for printing 2- and 3-piece cans, plastic cups, lids and tubes.

Additionally, MMR Group PrintSolutions provides directly engraved plates for printing and varnishing. It has its own DTP studio and 3D fiber lasers for direct engraving of printing plates. The company's portfolio is also complemented by other printing materials such as cleaning cloths and printing chemicals.



Product range:

- printing blankets for 2- and 3-piece cans
- printing plates
- washing cloths
- printing chemicals

MMR Group Polska sp. z o.o.
MMR Group PrintSolutions
 ul Hutnicza 25 DE
 81-061 Gdynia, Poland
www.ps.mmrgroup.pl

MUNDOLATAS WEB S.L.

HALL 3, BOOTH C60



Mundolatas is a prominent technological company dedicated to improving communication, marketing, and connectivity in the international metal packaging industry. The company offers a wide range of

services and tools through a multi-lingual web portal, available in ten languages, to enhance relationships between industry stakeholders.

The company has four fundamental pillars that are key to its success. Firstly, its website is a comprehensive resource with over 650 technical articles, market studies, and daily news that allows users to access all content for free. It receives over 30,000 visits from 165 different countries each month.

Secondly, Mundolatas Magazine is a unique bilingual technical magazine, free for industry readers. It provides specialized and up-to-date information on the latest developments in the world of metal packaging, market studies, technical articles, interviews, and relevant news.

Thirdly, Mundolatas.com's metaverse is a three-dimensional platform focused on metal packaging that offers a new way to showcase products or services. This platform is completely free for visitors, eliminating any barriers and helping to reduce the carbon footprint. With just one internet-connected device, users can immerse themselves in the experience with a single click.

Finally, We are pleased to announce the release of the first and only artificial intelligence trained exclusively for this sector, which is available for free from the metaverse (Metalatas). If your company is engaged in the manufacture of cans or canners, and you are interested in using this tool to support your technical team, we are pleased to offer you a flat rate accessible from a URL, which will allow you to access this innovative technology.

This artificial intelligence has been designed to help optimize their processes, reduce costs, and improve production efficiency. With it, you will be able to perform data analysis and make technical inquiries of all kinds.

Mundolatas focuses on improving connectivity and collaboration among different stakeholders in the metal packaging industry. Its goal is to drive growth and innovation in

the sector, promoting the exchange of knowledge and experiences among stakeholders. The company is committed to quality, sustainability, and social responsibility in each of its services.

Mundolatas Web S.L.
 Cuesta del puente 14
 30500 Molina de Segura Murcia, Spain
www.mundolatas.com/en/

MW LAK SOLUTIONS SRL

HALL 1, BOOTH E34

Mw Lak Solutions was previously known as Ink Maloberti, a European leader of printing inks for metal packaging.

The recent change in company structure, allows the MW Lak to offer wider range of product which include speciality uv inks and uv coatings. We are offering:

- Uv Printing inks for high speed printing and for 2 piece drd cans
- Uv Cationic Coatings
- Uv LED Coatings
- Uv LED Printing Inks
- UV LED Cationic Coatings



In addition we also offer conventional printing inks and coatings for external and internal metal deco applications

MW LAK Solutions Srl
 Via Giuseppe Parini 2
 20121 Milano, Italy
www.mwlaksolutions.com

NATIONAL FACTORY FOR CAN ENDS LTD

HALL 2, BOOTH A29

National Factory for Can ends Limited (NAFCEL), established in 1986 is an independent manufacturer of quality aluminium easy open ends for beverage and food.

With its strategic location and modern facility, state of the art equipment, and vast capacity quickly grew to become one of the largest exporters of ends.



We have the most diversified product portfolio for Can Ends manufactured by state-of-the-art equipment and inspected in one of the best equipped quality labs in the industry. The components offered are:

- 200 dia ISE (lightweight) – SOT, LPO SOT, SRP
- 200 dia B64 – SOT, LPO SOT, SRP, LPO SRP
- 202 dia ISE (lightweight) – LPO SOT, SRP
- 202 dia B64 – SOT, LPO SOT, SRP, LPO SRP

- 206 dia B64 – SOT, SRP
- 209 dia B64 – SRP, SRP with tear drop (milk products)

Apart from the above, we offer promo ends like colored shell, colored tab, laser etched tabs, incised, printed ends.

We have major brands approval and meet all regulatory standards pertaining to our industry.

National Factory for Can Ends Ltd
71 Phase III, Industrial City I
21477 Jeddah
Saudi Arabia
www.nafcel.com

NPB AUTOMATION AB

HALL 3, BOOTH D61

NPB Automation is a supplier of automation equipment and services to help our customers maintain world-class production in the end making business.

To remain a leading supplier in the industry, it takes more than just machines with high reliability and performance. We are keen that our machines perform at the highest level and want to assist our customers with all our experience and knowledge that our employees have. Therefore, we have developed several services such as the Start Up Service to ensure that the start-up of a module is as optimal as possible, which means that our customers reach expected production levels much faster.



To know how a plant is doing and performing, you must measure, to measure is to know. NPB has developed our OEE system another step

to NextGen OEE. With this system, it is possible to measure the status of individual units so that preventive maintenance can be carried out and minimize the risk of breakdowns and unplanned stops.



NPB's Line Care concept is based on our technicians visiting our installed facilities several times a year for service and to visually see the status of the machines. These are also excellent opportunities to carry out training of operative personnel so that they have updated and relevant knowledge.

With NPB's Support Package, you get access to our technicians 24/7 to help you with any incidents. Our machines are equipped with cameras which are an invaluable aid in troubleshooting and problem solving as they provide an opportunity to see what is happening at each specific moment.

We will be in Hall 3 in stand 3D61 to be able to provide you with more information about our products and services for those interested in what NPB Automation has to offer the end manufacturing industry.

NPB Automation AB
Industrigatan 14B
55302 Jönköping, Sweden
www.npb.se

NSM MAGNETTECHNIK GMBH

HALL 3, BOOTH D37

For more than 60 years NSM Magnet-technik GmbH is one of the international leading manufacturers of handling-, palletising- and depalletising-systems for ends, cans, closures etc., which automates the material flow in the most different production

applications according to the most modern technical points of view.



More than 250 employees located at Olfen in Westphalia, from which 50 engineers and technicians are in Sales, Project-Management and Design, are specialised in the development and design of customer-specific manufactured systems and machines, which are manufactured for international and demanding customers at a production area of more than 10,000 m².

In more than 120 countries worldwide, the manufacturers of cans and ends as well as the fillers such as breweries and soft-drink companies have trust in the proven NSM-technique.

At the METPACK 2023, both 3D37 in hall 3, the employees of NSM Magnet-technik GmbH will present the latest developments in the field of lid and can handling as well as palletizing by means of three-dimensional printed models and video presentations.



Convince yourself in personal discussions of our innovative power and effectiveness.

For more information, please find the data readily retrievable on the internet:
www.nsm-magnettechnik.com

NSM Magnettechnik GmbH
Luetzowstr. 21
59399 Olfen, Germany
www.nsm-magnettechnik.de

O.M.P.I. SRL

HALL 3, BOOTH A25

O.M.P.I. SRL Italia has been producing repair coating groups for easy open ends for 5 years.



We will be glad to present our repair coating group at next Metpack in May 2023.

We are awaiting for you at our STAND 3A25 HALLE 3!

O.M.P.I. Srl
Via Bersagliere C. Donnaruma 59
80054 Grignano NA, Italy
www.ompisrl.net

OCSAM CEPAK

HALL 3, BOOTH A19

Ocsam Cepak

Ocsam Cepak ▶ Soudronic Group

Soudronic AG
Industriestrasse 35
8962 Bergdietikon, Switzerland
www.soudronic.com

OEG GMBH

HALL 1, BOOTH E20

Worldwide on all continents, the name "RINGMASTER" is synonymous with measuring accuracy and reliability in the measurement of ironing dies for 2-piece beverage can production. In 2021, OEG GmbH not only celebrated its 30th anniversary, but also the delivery of RINGMASTER number 100, which was delivered to the WALLRAM Group. In 2023, we can be proud of 115 RINGMASTERS produced and installed in about 95 plants worldwide.

The interconnectedness of OEG GmbH with the beverage can industry can be seen in the fact that hundreds of thousands of ironing dies have been measured with the OEG RINGMASTER in recent years.

OEG GmbH has constantly reacted to the demands of the market and has both continuously developed the existing measuring devices and developed new measuring devices for other measuring tasks. Examples are the "PUNCHMASTER", the "RICOS" and the "URP 40-100".

The "PUNCHMASTER" is used for high-precision measurement of diameter, roundness, outside contour and transition parameters of punches for beverage can production. It is the ideal complement to the "RINGMASTER" and guarantees the perfect composition of the tool pack.



The measuring device "RICOS" is used to measure the inner contour of drawing dies such as entry and exit angle, land, land position and angle. The universal ring and punch measuring device "URP 40-100" is capable of measuring both ironing rings and punches.

If required, the OEG devices can also measure necking dies and knock outs. Very popular for the inspection of drawing dies and punches is the "Ring and Punch Inspector".

The latest development is a professional ultrasonic cleaning device for tools for beverage can production, the "Toolsonic Pro".

Over the past 20 years, OEG GmbH has become an integral part of the beverage can industry.

Together with its partners, customers and thanks to its highly qualified employees, OEG GmbH will continue this development in the future and remain a reliable supplier and service partner for the beverage can industry worldwide.

OEG GmbH
Wildbahn 8i
15236 Frankfurt (Oder), Germany
www.oeggmbh.com

OMSO SPA

HALL 1, BOOTH E16



Spray line for closures, the innovation by OMSO

OMSO, the long-standing Italian company (www.omso.it) with customers in eighty-five countries on five continents has been in business of designing and manufacturing machines for direct printing on

objects of various shapes, sizes and materials for over seventy years.

For OMSO, the ability to develop new solutions and products, tailored to customer requirements, is a working philosophy that the owners have always supported with significant and ongoing investments.

In the closure sector, one of the most important areas of OMSO's business, the company has been developing innovative solutions since 2005 thanks to which it has become a leading supplier worldwide of various types of machines and/or systems for: cleaning, basic decoration painting, finishing painting, and cap embossing for oil, wine and alcoholic beverages in general.

One of the latest products developed by OMSO is a full-surface spray paint and drying system for capsules, which guarantees a minimum saving of 30% on paint products compared to the conventional commercial painting lines.



"What OMSO has achieved from a painting system point of view is highly innovative. Customers appreciate the real possibility of savings which they see with our systems solution," explains Massimo Verona, OMSO's technical director. "To obtain this result, we have deployed technology which we use daily on our decorating machines, especially the "stop and go" logic which controls the index handling of the workpieces on our lines, both in the pre-treatment and painting stages.



The guns, mounted on a Cartesian multi-axis system, only spray when

the conveyor places the objects to be painted in front of them. This means saving no less than 30% of paint products compared to conventional continuous painting lines. Less consumption also means less evacuations, filtering less overspray, thus huge cost savings and reducing the environmental impact. Not to mention the quality aspect of the finish: painting a stationary object ensures a far better result than painting a moving object," he concludes. "We maintain our technological competitive edge through innovation. We are committed to ensuring that all the new products/solutions contribute towards lower unit production costs by increasing efficiency and, last but not least, to trying to limit the impact on the environmental as far as possible.

OMSO SPA
Via Adige 11/E
42124 Reggio Emilia, Italy
www.omso.it

OPTI-COLOR MESS- UND REGELANLAGEN GMBH

HALL 1, BOOTH C43

Show-Novelties 2023: UVC Viscosity Controller, MultiTank-Systems, Visco-Lab Measuring Units

UVC units are the new generation of viscosity controllers with up to 3 integrated control channels. So e.g. viscosity and temperature of liquids can be measured and

controlled by one system. Furthermore, up to 12 units can be connected to a network and linked to a PC, with oc-4000 software the handling will be centralized.



MultiTank-systems are made for continuous storage and control of 2 or more liquids (inks, lacquers,

coatings, glues etc.). The tanks are actively controlled (viscosity, temperature, level) and depending on the demands from production side it is possible to realize a quick media-change-setting-up times will be minimized e.g. for the printing/coating machines.



Evaluation and check of viscosities in lab or quality control can be done with the light but most reliable ViscoLab 895-G assemblies. 895 is related to the weight, just 895 grams are necessary to achieve reliable and reproducible data about viscosity of liquids in widest range.



opti-color Mess- und Regelanlagen GmbH
Vor dem Dorf 2
31162 Bad Salzdeurth, Germany
www.opti-color.de

PEC PROJECT ENGINEERING + CONSULTING AG

HALL 3, BOOTH C59



We produce plastisols for world leaders. Company PEC Project Engineering + Consulting AG takes over the world wide sales activities of company ATF Ammendorfer Plastisole GmbH starting from 01.01.2023. We are offering high quality plastisols for twist off closures, lug caps, pail/barrel lids and beverage closures. Our products are developed and produced in Germany and fulfill newest quality and regulation requirements.

Thanks to our long lasting and diverse partners on the raw material supply side, we can offer very short delivery times, even in nowadays times.



Our application engineers support our clients on site and develop customer-specific recipes according defined requirements.



We are happy to discuss your requirements during Metpack 2023 at our booth 3C59 in hall 3.

PEC Project Engineering + Consulting AG
Am Rosenberg 2
9410 Heiden, Switzerland
www.pec-switzerland.com

PERM MACHINE & TOOL CO., INC.

HALL 1, BOOTH B21



PERM Machine & Tool is proud to be exhibiting again at Metpack for the eighth time.

PERM has been a leading, global supplier of products & services to enhance the metal decorating industry for over 50 years. The Company takes great pride in providing its customers with proven product lines, combined with unsurpassed customer service and reliability, as well as dedicated service technicians around the globe. With numerous innovative patented products such as our Mag Stacker, we lead the metal decorating industry as the single source supplier.

Key Products:

- Wagner Coaters, wholly owned by PERM.
- HOE Press, wholly owned by PERM.
- World Oven and all components.
- Spare & replacement parts.
- Service parts for Wicket Ovens, including chain, sprockets, wickets & oven parts.

Key Services:

PERM has service technicians available worldwide. The Company offers rebuilt and upgraded Wagner coaters that provide increased production speeds up to at least 20 percent. PERM sells (and services) rebuilt machines worldwide, and incorporates sub-assemblies, which reduce changeover times between 40 and 50 percent.

An improved application roller design cuts changeover time of that component from 30 minutes, down to less than 5 minutes. Along with these other improvements, PERM also makes a retrofit available for existing Wagner coaters, as well as on fully rebuilt machines.

PERM also offers rebuilt HOE decorating presses, with increased production speeds up to 20 percent; with changeover times cut by up to 25 percent. PERM offers press parts to its global customers, and services the machines around the world. Enhanced capabilities: To enable customers to continue to operate with minimal interruption, PERM can supply rebuilt presses to replace the old presses.

The Company also offers the same "switch out/no interruption service" for Luthi and Wagner bundle turners, as well as upgrades on the units, including catering to individual customer requests, I.E.: in feed and out feed powered rollers.

PERM MACHINE & TOOL CO., INC.
9660 Industrial Drive
St. John, Indiana 46373-0660, USA
www.permmachine.com

PLASMATREAT GMBH

HALL 3, BOOTH C55

Sustainable surface treatment of metal packaging with Openair-Plasma.

In most cases, a cleaned and purified metal surface is essential for subsequent production processes, such as painting, printing or bonding. Plasmatreat's Openair-Plasma technology offers a more environmentally friendly alternative to conventional pretreatment methods: after solid, liquid and gas, plasma is the fourth state of aggregation. This is achieved by adding further energy to gas. If the generated plasma then comes into contact with metal surfaces with its high energy level, these surfaces are cleaned of dirt and dust. The surface energy is increased and printing inks, coatings or adhesives

now adhere reliably and long-lasting to the clean and prepared surface.

A precursor can also be added to the plasma. This special technology is called PlasmaPlus and enables ultra-thin coatings to be applied that act, for example, as environmentally friendly adhesion promoters. Regardless of whether Openair-Plasma or PlasmaPlus is used, depending on the application and customer requirements, e.g. only the neuralgic areas can be cleaned selectively, but also surfaces in their entire width and area.

Plasma technology opens up new opportunities: e.g. the use of UV coatings. Here, there is a high savings potential for manufacturers of metal packaging. Energy-intensive ovens for curing solvent-based inks are then not needed in production. There is also no need to purchase and dispose of chemical baths, as is the case when chemical primers are used. In general, a plasma system also takes up less space than conventional pretreatment methods and is less expensive to purchase and invest in.



By using plasma technology the surface energy is increased and printing inks, coatings or adhesives now adhere reliably and long-lasting to the clean and prepared surface. (Copyright: Plasmatreat GmbH)



Plasma technology opens up new opportunities: e.g. the use of UV coatings. Here, there is a high savings

potential for manufacturers of metal packaging. (Copyright: Plasmatreat GmbH)

Plasmatreat GmbH
Queller Straße 76-80
33803 Steinhagen, Germany
www.plasmatreat.com

PNEUMOFORE

HALL 1, BOOTH E31



Pneumofore: 100 Years of Pneumatic Energy Expertise

Pneumofore manufactures industrial vacuum pumps and air compressors and it is the preferred supplier of centralized systems with large capacity in the metal packaging industry. Established in 1923, the company revolutionized the compression of air with its ground-breaking Rotary Vane technology. Since then, the company has continued to research and develop pneumatic machines exclusively based on the Rotary Vane principle. Nowadays, thousands of Pneumofore units are running in the food and packaging industry worldwide.



With their continuous operation, low noise and low temperature, very few maintenance needs, high accessibility and 5-year warranty on efficiency, Pneumofore machines are the solution for customers looking for the lowest Total Cost of Ownership. Pneumofore units can be tailored according to the specific customer's needs. The altitude version of its

compressors considers the low inlet pressure and runs with larger electrical motors and fans, so as to cope with the circumstance of 'thin air' when exceeding 2000 m above the sea level. Inversely, units installed nearby the sea are painted with saline-proof coatings in order to successfully prevent corrosion. Many tailored Pneumofore machines have been installed and run trouble-free for decades, as long as the maintenance is performed on a regular basis by the customers themselves, thanks to the high OEM independence of Pneumofore solutions.

Round-the-clock operation in modern can factories benefits from various communication protocols and remote-control connections, which can be installed on vacuum pumps and compressors. Pneumofore also offers the entire piping system layout as a service for the most efficient pneumatic setup of the distribution network and for eliminating losses in capacity or pressure. Power consumption can be optimized thanks to the precise pressure-value settings, which are kept constant by Variable Speed drives. These are just some of the solutions that the company can offer for demanding energy saving requirements. Pneumofore has the expertise and passion to engineer the most durable, efficient and environmentally-friendly compressors and vacuum pumps with the lowest Life Cycle Cost available on the market.



Due to rising energy costs, low pressure compressors at 4 bar(g) are preferred in modern 2-piece can factories to cover most pneumatic needs. The use of pressure reducers has to be avoided as the air blow-off or blow-in wastes energy. Pneumofore is specialized in low pressure compressors. Environmental concerns underpin the company's commitment to design reliable and

durable state-of-the-art equipment. This commitment has contributed and still drives the success of this innovative company, that in 2023 is celebrating a century of pneumatic energy expertise.

PNEUMOFORE
Via Natale Bruno 34
10098 Rivoli TO, Italy
www.pneumofore.com

PRESSTEC PRESSEN-TECHNOLOGIE GMBH

HALL 2, BOOTH B25

Europe's biggest Service Company for presses of all brands.

For more than 70 years, the PRESSTEC Company has stood for progress and quality in new presses and service for sheet and solid metal forming. Our many years of experience in modernization, overhaul and maintenance of all press types and brands have secured our position in press service. With our know how and expertise, we also respond individually to our customers' wishes in new presses. We overhaul the entire press or individual assemblies. If necessary, we retrofit a new control system. We offer this service for all brands.



Innovative strength and expertise – that's what sets us apart in new press construction. Our presses – Made in Germany – are characterized by an unbeatable price-performance ratio, highest productivity, low incidental acquisition costs and low operating costs.

Presstec Presentechnologie GmbH
Oststraße 16
77694 Kehl, Germany
www.presstec.com

PRIME CONTROLS INC.

HALL 3, BOOTH D33

Prime Controls, Inc. is a leading developer and manufacturer of high-quality, high-speed online metal sensing and control systems for OEMs and end users in the metal packaging industry worldwide. It specializes in providing double sheet detection for sheet feeders and slitter tables, leak detection systems for light and air testers, and is the world's supplier of press protection for high-speed, easy-open end conversion presses.

Prime Controls will be featuring its newest detection system, Eclipse Leak Detection Technology, a superior light-based leak detection technology for cans and ends. Eclipse is 8x more sensitive than infrared and traditional light detection methods. Eclipse Technology penetrates smaller cracks more efficiently improving detection of circuitous defects.

Prime Controls would be pleased to demonstrate the system to can plant personnel and machinery makers at **BOOTH 3D33** during the show.



Prime Controls, Inc., located in Dayton, Ohio USA was founded in 1992 and is committed to the development of new products with the most advanced technology available. We value each and every one of our customers and strive to provide solutions that meet their needs.

Prime Controls Inc.
4528 Gateway Circle
Dayton, Ohio 45440, USA
www.primecontrols.com

QVISION-TECH SRL

HALL 3, BOOTH A47

QVISION-TECH SOLUTIONS FOR ALUMINUM CAPS INSPECTION

QVISION-TECH SRL operates in the field of artificial vision, designing and manufacturing machine vision systems for the automation of quality control of industrial production. The main product line is related to the control of aluminum closures.

QVISION – CAPS INSPECTOR is a modular vision system, which can be equipped with one or more standard inspection modules, each dedicated to specific controls on aluminum closures, to detect typical defects of this kind of production. The following standard modules are available for the inspection on screw caps, normally installed after rolling/inserting machines:

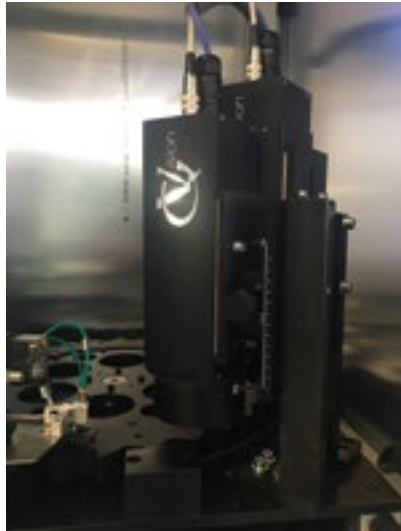
QV_BORDER to inspect the Shell-Border (opening) to detect defects as deformations, ovalities, shell cut-out, corrugation and/or stain on the inner wall.

QV_LINER to inspect the Liner (wad), or the plastic Insert assembled inside the cap. This module can detect defects as missing or incomplete liner/in-sert, dark spots, wrinkled liner, upside-down liner (for metal foil).



QV_LOGO to inspect the Top-Printing to detect defects as off-center logo, color variations, printing defects, scratches/dirty, mixed deco.

QV_DECOSYSTEM_M6 module dedicated to the printing inspection of the external side surface, using six color cameras installed at 60° from each other.



The vision system offers an objective and repeatable control, allowing to obtain an improvement of the production quality and an optimization of the production process.



It can be installed on existing production lines, if necessary technical requirements are fulfilled, or it is possible to offer "turnkey" solution, supplying complete **Vision Machines** (vision system complete of a proper mechanical transportation unit).

The main available Vision Machines are the **MULTICAP_3.STD** (star-wheel transportation machine for inspection of Border, Liner/Pourer and Top Printing) and the **MULTICAP_FULL** (star-wheel followed by a vacuum belt, with all the available vision modules).

Qvision-Tech Srl
Via San Morese 9
50019 Sesto Fiorentino FI, Italy
www.qvisiontech.com

R+W DRUCKMASCHINEN SERVICE GMBH & CO. KG

HALL 2, BOOTH A36



New ways in Offset Sheet Metal Printing

The "Karlstein MR130" is a completely new development, which is being built in Karlstein/Germany.

In the middle of 2024, this machine will be on show for the first time in our service centre under production conditions. Our partners include well-known names in the industry, from feeders to dryer equipment to sheet delivery, so that we can configure a complete system for you and entirely according to your wishes.

R+W has been active on the market as a company in the service and spare parts trade since 1999. We have been servicing manroland R900 presses, among many others, for a long time. Service and spare parts for these presses are part of our core competencies.

The next stage in our development is a completely new offset metal decorating press. Be curious about the possibilities that R+W and the "Karlstein MR130" will open up for you as a print user.



We would like to invite you on this journey and look forward to meeting you.

Be our guest at MetPack 2023.
Hall 2, Booth 2A36

We will be pleased to inform you about the possibilities of servicing your manroland R900 machines, with R+W as your reliable and competent partner. In addition to the

service provided by our 18 employees, we are also waiting for you with a large spare parts portfolio.

R+W Druckmaschinen Service GmbH & Co. KG
 Frankenstraße 25
 63791 Karlstein am Main, Germany
www.rwds.de

RAINER NAROSKA ENGINEERING GMBH

HALL 3, BOOTH B61



Rainer Naroska Engineering is a traditional and globally active manufacturer of machines and turnkey production lines for the metal packaging industry. The core business comprises design, construction, installation and maintenance of manufacturing equipment for food cans, glass and bottle closures and general line components. During our 77-year history, responding to the world market demands for innovative press and tool technology, we have acquired a vast amount of expert knowledge that allows us to be flexible to the ever new challenges in our business. Going on from the outstanding success of our machines for lug caps and 2-pc cans, we will now, on METPACK 2023, present striking innovations for the production of Aluminum caps, Aerosol can ends, EOE and Peel-Off ends. The cost-effective combination of high performance and quality, made in Germany, will certainly attract your attention, again.



Rainer Naroska Engineering GmbH
 Im Hengstfeld 19
 32657 Lemgo, Germany
www.naroska.com

RBC BEARINGS

HALL 1, BOOTH B41

Faster, Faster, Faster! As the industry is clamoring for more production with less down time, the production machinery is in dire need of components built for the today's demands.

RBC® Bearings is committed to understanding the needs of today's can makers and developing innovative solutions to address these needs in their most demanding applications. Weather that is reducing the maintenance and down time of more traditional bearings or upgrading them to a completely maintenance-free design, RBC® has proven solutions to accomplish your goals.

Knowing that the necker is one of the most demanding applications in the plant, RBC® Bearings has developed what we call the "Triple Threat."



RBC's "triple threat" of Solutions for Neckers. (left to right) CRBC15/814: Lubricatable Double row Cylindrical Bearing; BCF15/814CT- Lubed for life double row ball bearing cam follower with a cam protector Polymer outer ring; BCF15/814ST- Lubed for life double row ball bearing cam follower with steel outer ring.

In addition to our "Triple Threat" Necker bearing solutions, RBC has adapted similar concepts to reduce maintenance and extend application

life with other canning machinery bearing innovations.

Products include:

- Maintenance-free, Trimmer Ball Bearing Followers that eliminate the need for re-lubrication, protect the cam from wear and provide longer operating life.
- Innovative, Bodymaker Roller Followers that eliminate shaft wear and the need for shaft replacement, reduce wear on the cam by minimizing rotational inertia and provide better load distribution to extend bearing life
- New upgraded Dual-Race Roller Followers for Decorators operate with less friction for today's higher speed machinery demands, helping reduce cam wear and extend life.

RBC is committed to providing engineered solutions to increase reliability for our canning industry customers. Come see us at METPACK Hall 1 Stand 1B41.

RBC Bearings
 102 Willenbrock Road
 Oxford 06478, USA
www.rbcbearings.com

RICOME CAN MAKING SOLUTIONS SRL

HALL 3, BOOTH B10

Over 30 years of experience and success in providing end making systems.

END MAKING MACHINES

RICOME develops designs and manufactures high and medium speed end making systems, one supplier one solution for end making: designing, machines (scroll shear, strip feed press, curler, compound liner, pockets drying oven, wrapper, un-wrapper, post repair system), tooling, installation, start-up, all in one.



RICOME DOUBLE DIE END MAKING LINE FOR LARGE END SIZE

We are pleased to present our last successful project, double die end making line for 127 mm (502) and 153 mm (603) to have an output of 500 and 400 pcs /minute.



RICOME DOUBLE DIE STRIP FEED PRESS FOR LARGE END SIZE

Only one maker of double die strip feed press for large end size 127 mm (502) and 153 mm (603).

Main technical features of the double die strip feed press: speed up to 250 strokes per minute – capacity of the press 80 tons – hammer with pneumatic compensation – continuous lubrication with oil recovery – electronic connection between crankshaft and strip feeder – main feeding bar independently driven by brushless motor – auxiliary feeding chain independently driven by brushless motor.



RICOME has the pleasure to attend METPACK 2023 to show its own and unique RICOME DOUBLE DIE STRIP FEED PRESS FOR LARGE END SIZE with a wide range of advantages available for all end makers, as quality increase (no more scratches problems) as well as maintenance cost decrease (much fewer mechanical parts like levers, fingers, cams).

RICOME CAN MAKING SOLUTIONS SRL
Z.I. Fosso Imperatore Lotto 11
84014 Nocera Inferiore (SA), Italy
www.ricomecanmakingsolutions.com

SABATIER

HALL 3, BOOTH A19

Sabatier

Sabatier > Soudronic Group

Soudronic AG
Industriestrasse 35
8962 Bergdietikon, Switzerland
www.soudronic.com

SACMI IMOLA SC

HALL 1, BOOTH C28



SACMI presents the market's first integrated system for DIGITAL PRINTING and decorated metal sheet inspection

DMD (Digital Metal Decoration) + ECLIPSIM DECO duo to be the focus of the SACMI stand at Metpack 2023. New solutions designed to respond to a market trending towards versatility and the optimization of logistics and stocks.

SACMI is all about creating synergies that anticipate market developments. Hence the presentation, at Metpack 2023 (MESSE ESSEN, 2-6 May), of the market's first DIGITAL PRINTING solution to integrate production and quality control of the decorated metal sheets used to make packaging for food, beverage and other industrial products.

Digital Metal Decoration (DMD)

Why go digital? Traditionally screen-printed, decoration is a vital packaging component as it enhances product quality and brand recognisability.

Hence the need for ever-increasing customization which has, in turn, led to smaller batch sizes, consequently reducing the efficiency of traditional decoration lines (high-speed systems that can produce more than 7,000 sheets per hour but overly

rigid when small batches and fast changeovers are needed).

DMD is revolutionary in two ways, Firstly, it can decorate at rates as high as 2,500 sheets/hour. Secondly, it releases decoration from the rigidity of conventional systems (size changeover times slashed, no excess stock).

Integration with 'vision'

Now available with heads providing resolutions as high as 600 dpi, SACMI proposes a DMD that is – for the very first time – integrated with the ECLIPSIM DECO vision system.

The advantages? First and foremost, with SACMI, manufacturers can count on a sole provider who guarantees quality, reliability and worldwide assistance. Secondly, this pairing lays the foundations for 'smart' line management, which begins with the customer's order placement and continues with proactive (and, in the future, retroactive) control of any production drifts.

Artificial Intelligence

SACMI provides the market's most comprehensive range of metal packaging inspection systems. That means coated, lithographed sheets yet also caps, lids, containers and cans. All these systems share the latest-generation CVS (Computer Vision Software) and patented solutions (Chrometriq and ElioScan) that deliver the best reliability in the metal inspection field.

Yet that's not all. These systems are increasingly used on production lines and SACMI now takes things to the next level on the 'control' side with a new operator interface. Called Classy-AI, it features advanced artificial intelligence algorithms that classify defects and generate warnings and statistics in real time. This means operators can run the systems, even if they're not vision system experts, with a valuable helping hand from an interactive dashboard.

Get a preview of the products at Metpack 2023! (MESSE ESSEN, 2-6 May, HALL1 _ 1C28)

SACMI Imola SC
Via Selice Prov.le 17/A
40026 Imola BO, Italy
www.sacmi.com

SAMTACK SL

HALL 1, BOOTH E19



SAMTACK is a manufacturer located in Barcelona, Spain, specialized in sealing compounds for metal cans, industrial adhesives and UV Varnish. Since 1988, we have been developing new products and markets. Nowadays we are present in more than 30 countries with a different range of products. For the metal packaging industry our two core families are the hot melts for labelling and the sealing compounds for metal cans, registered as SealdTack.

SealdTack water based can sealings are high performance compounds used both in the sanitary sector (food and beverage) and general line sector (paint, varnish, cleanser, chemical, etc). A new line of PVC plastisols is our last development for pail and drum covers.

Our products are manufactured to the highest standards and are compliant to the specific sector regulations. Our formulations ensure that SealdTack sealants do not alter in any way food or drink flavour.



The choice of the most appropriate compound is important in order to obtain an hermetic seal. SealdTack

range of can sealings comprises products adequate for the most diverse can end geometries, application processes and industry requirements.

Apart from our standard products, in Samtack we invest a lot of resources in our R+D department, making us able to create customized solutions for our customers' needs. Also, we are always looking for the new solutions and updating our standards to the new requirements from the market.



I hope you have found this information interesting and we hope to see you in our Stand 1E19, located in Hall 1.

SAMTACK SL
Calle Ceramica 3
08292 Esparreguera, Spain
www.samtack.es

SCAN HOLDINGS (P) LIMITED

HALL 3, BOOTH B59

Scan Holdings-India is a well-known name for supply of Customized Tin Can Bottoms/Lids, Easy Open Ends, Peel Off Lids, Beverage EZO, Aerosol Cones & Domes, and printed/lacquered tinplate sheets. We are trusted globally by leading Tin Can manufacturers, dairy product manufacturers, fish & meat canneries and food processors across Asia, Africa, Europe and Americas.

The Company was established in 1995 and has proven its high quality, efficient service, and technical expertise time and again.

The Company specializes in doing developments for customers in

terms of customizing size/diameter, double seam specifications, metal specifications and lithography. The expertise that Scan Holdings adds in this process leads to higher quality at better cost efficiency.



Easy Open ends.



Peel off ends.

LATEST PRODUCT INNOVATIONS

2 punch sanitary lids

Allow us to introduce "2 Punch Sanitary Can Bottoms/Lids". These have multiple advantages:

- Economical alternative to EZO for cost sensitive markets. Just punch using a nail, pour and consume
- Suitable for packing evaporated milk
- Suitable profile for packing condensed milk
- Suitable to pack tomato paste



The three products mentioned above have different technical requirements. However, Scan Holdings developed the above sanitary can ends such that they are able to pack them all. This innovation has allowed the customer to have com-

mon inventory and prevent seamer changeovers. Based on specific requirements of our customers, we deploy our expertise and intelligent technical ideas, to empower clients to achieve their objectives successfully. These 2 Punch Sanitary Can Bottoms/Lids have now been successfully used in the market for quite some time.

Presently, we offer this type of Ends in two sizes 63 mm (209 diameter) and 73 mm (300 diameter). It is possible to develop other sizes as per customer requests.

Scan Holdings (P) Limited
F-4 ShoppingComplex, A-Block
New Delhi 110087, India
www.scanholdings.com

SENCON LTD.

HALL 3, BOOTH D25

Sencon's stand at Metpack 2023 is packed with the latest innovations in sensing, testing and inspection equipment. Visitors to the Sencon stand will be able to explore a miniature can making plant which highlights Sencon's comprehensive range of products that allow metal packagers to achieve improved production efficiencies.

Sencon will be showcasing their latest Quasar™ light detection systems for cans and ends which can deliver consistent results at production speeds with a false reject rate of less than 6-Sigma. Their popular MLT Micro Leak Tester for ends has also received a similar increase in processing power with adaptive algorithms that dynamically respond to changing conditions on the line, maximizing detection, and minimizing false positives. All Sencon's leak detection systems are now supplied with touch screen HMIs and Industry 4.0 communications capability.

Sencon's optical Film-Scan™ coatings gauge and Enamel Rater from the modular Master Series fully automatic gauge range will be working on the stand. Their powerful Process Master™ gauging software, which is common to all the Master Series

gauges, now supports the OPC-UA communication interface standard.

Other gauges on show include the economically priced PG5600 automatic enamel rater, a compact, robust, system with an impressive throughput of five cans per minute. Their unique ES8000 non-contact ends metrology gauge can also be seen working as either a Shell Gauge or as a Progression Gauge in one unit. Sencon's range of semi-automatic benchtop Benchmark™ and SI gauges will also be on display with a complement of can stand and probe accessories.



And, if you're looking to reduce your energy costs and achieve your sustainability targets it's worth taking time to talk to Sencon about their SL2000 Oven Logger, a simple and low-cost solution that can help ensure your thermal energy consumption isn't more than it needs to be.



SENCON (UK) LTD
Pointon Way, Stonebridge
Droitwich, WR9 0LW, United Kingdom
www.sencon.co.uk

SHANGHAI RUIYUAN PRINTING EQUIPMENT CO. LTD.

HALL 1, BOOTH B11

Leading Manufacturer:

As China first metal decorating equipment manufacturer, Ruiyuan established more than 20 years and take the leading market share in China by integrating R&D, production, import & export, service and advanced international technology.

Ruiyuan produces printing, coating, drying, air purifying equipment for metal plate and sheet coil coating production line, etc.

Our factory covers 48,666 m². Our products, with outstanding quality and excellent performance, has exported 40 countries and regions and become the good choice for mid-to-high end customers home and abroad.

Maximized Value for Clients:

Our mission is to create maximum value for customers. The goal is to relieve customers pain points and meet their needs.

Excellent Machinery:

The main parts are made of stable and durable materials. Ruiyuan's ability in strict heat treatment process, world-class processing equipment, advanced processing technology and mature assembly experience, makes the equipment runs at high speed but stable and low noise

Electrical Stability:

Siemens electrical used to ensure compatibility, stability and durability.



Easy Operation:

High automation greatly reduce the demand on operator number and skill degree



BNM PEEL OFF END

The Easier, Safer, and more Innovative
packaging solutions



www.zjbosun.com

+86 184 5776 3691

market@zjbosun.com

Cost Reducing and Benefit

Increasing: High degree of automation can reduce the cost by Labor saving and low defective rate. It improves printing quality and market competitiveness for clients

Sales Market

Ruiyuan is active in global market. Some user are Crown Group, Kian Joo, COFCO Group, Baosteel Package, United Aerosol (UK), Litografia Valenca Ltda, Hindustan, MGPACK (Greece). In China, We strategically cooperate with COFCO Packaging Group and delivered 5 printing lines and 4 coating lines within 3 years, and also provide upgrades for its Japanese equipment.



We are looking for Agents Globally. For any interest, join us as following:

Shanghai Ruiyuan Printing Equipment Co. Ltd.
99 Hengchangjing Rd.
201802 Hanghai, China
www.ruiyuanpress.com

SHANTOU XINQING CANNERY MACHINERY CO., LTD.**HALL 1, BOOTH D18**

SHANTOU XINQING CANNERY MACHINERY CO., LTD. is a professional company, specialized in designing, manufacturing and selling the high performance can making machines. Our company keep constantly developing new can making machines with years of experience, technology and professional teams. Our products are suitable for food, beverage, aerosol, chemical and other 3-piece cans, and 2-piece cans, obtained 5 National Invention Patent, 22 Patents for utility models as well as CE certification. With integrated equipment, high level of intelligence,

we have got a big competitiveness in this market, both of the domestic or overseas markets.

Our mainly products are as below:

1. NEW DODO-700 Intelligent Can body Welder, copper wire speed 80m/min, production capacity 700cpm.
2. NEW DODO-500H Intelligent Can Body Welder for Aerosol Cans: copper wire speed 70m/min. This model is the best choice for high speed production line of aerosol cans.
3. NEW DODO-400D Milk Powder Can Body Welding Machine: copper wire speed 55m/min, is the ideal choice for high-speed milk powder cans production line.
4. Online leakage testers for food cans, milk powder cans, aerosol cans, two pieces cans, irregular cans and POE according to the corresponding detection requirements, which greatly reduces the probability of leaking cans go to the filling process.
5. Two pieces cans equipment with high efficiency, low failure, intelligence and safety features, are suitable for the production of various round cans, rectangle cans, oval cans etc.

Our company consistently keep "Good business by good faith, customers' profits come first" as our aim, Provide the perfect solution of complete line for customers and offer the "turn-key" project.

We warmly welcome you to visit our factory and start our relationship!



SHANTOU XINQING CANNERY MACHINERY CO., LTD. (Shantou Bodao Trading Co. Ltd.)
B7 Jinyuan Industrial Area
515064 Shantou Guangdong, China
www.canning-machinery.cn

SHIN-I MACHINERY WORKS CO., LTD.**HALL 1, BOOTH D44**

The CNC sheet feeding press equipped with four axis synchronized movement is suitable for tin or aluminum end stamping. Reliable linear servo motors, and PLC control system are incorporated. Programmable integrated sheet take-over system can get precise sheet feeding. Besides, a reliable human-machine interface is introduced as a main control unit for data transmission and display. Single crankshaft with double action makes the cutting burr stay at the inner side of the curl. This can avoid the scratch on the end seaming panel while ends are oiled up during transportation.

Features:

- A reliable Human Machine Interface touchable screen is introduced as a main control unit.
- Movement orbit generate and download automatically, easy for different end size parameters set up.
- With reliable European linear motors to reduce the inertia at high speed.
- Equipped with sensors to detect if the clips certainly clip the sheet.
- Multiple safety control; for example, machine stop for low air pressure, lack of oil, jam at exit. Moreover, safety range detection on each axis is equipped.
- Equipped with air brake clutch, safe and reliable.
- Tooling with pillar die set can be easily pushed into via rollers buried on bolster.
- End ejection is controlled by electronic cam adjustment to avoid double punches.
- Crankshaft is located at lower mainframe, bushes on crankshaft are properly lubricated by an automatic oil pump; besides, oil tube block detection is incorporated.
- Four sets of air cushion cylinders located at press upper side to balance the weight of ram and toolings.
- Suitable for square or pre-scrolled tin/aluminum sheets, can be strait side or pre-scrolled side head into tooling.



Shin-I Machinery Works Co., Ltd.
No.67 Sec. 1 Yonghe Rd., 12 F-1,
Yonghe-District
23401 New Taipei City, Taiwan
www.shinican.com

SOUDRONIC GROUP

HALL 3, BOOTH A19

Soudronic

Soudronic Group provides a wide range of machines and components for the can making industry, focusing on three-piece and two-piece can production and end making. Our machines cover the entire manufacturing process from low to the highest production speeds.

We are proud to present machines that feature highest flexibility, impressive performance and durability, built to the world's highest quality standards.

We look forward to welcoming you at our booth 3A19 in hall 3!

Soudronic AG
Industriestrasse 35
8962 Bergdietikon, Switzerland
www.soudronic.com

SPECMETRIX SYSTEMS

HALL 3, BOOTH D33

**The Path to Coating
Process Digitalization Begins
at METPACK 2023**

Global manufacturers of coated metal containers, flat sheets, coils, and leading suppliers of the coaters and coatings that they require can now improve their process

control and product quality starting at METPACK 2023. Powered by the continuous stream of more accurate absolute film weight data supplied by award-winning SpecMetrix® coating thickness and film weight measurement systems (Hall 3 Booth D33), process control and quality teams can make process adjustments in real-time. Unlike older, less reliable manual methods, the patented ruggedized optical interference (ROI) technology in all non-contact SpecMetrix systems is addressing long-standing industry issues of accuracy, consistency, and timeliness of reliable film weight data. The real-time data from SpecMetrix® Systems generates immediate plant cost-savings, productivity improvement and waste reduction at innovative metal packaging manufacturers worldwide. For global manufacturers that use SpecMetrix systems, the financial, quality, environmental, and time-saving impacts are immediate and significant.



For all canmakers, SpecMetrix systems can more accurately monitor wet or dry coatings and discrete layers on flat sheets and metal containers. The wet measurement capability gives flat sheet coaters a significant new ability to adjust film weight issues immediately after application, rather than waiting for first piece inspection results. This highly precise data is enabling industry leaders to establish closed loop coating process control for their flat sheet coating lines and significantly reduce their costs, increase production throughput, minimize waste and guarantee the quality of every coated sheet to their customers. For off-line use, the new offline Spec-

Metrix Film Weight QA Station is bringing that same level of accuracy and precise film weight data to flat sheet lines as a replacement for hover probes. With aging workers, advanced process technology and digitalization have become business priorities.

SpecMetrix Systems
The Sensory Analytics Building
405 Pomona Drive
Greensboro, North Carolina 27407 USA
www.specmetrix.com

SPRIMAG SPRITZMASCHINENBAU GMBH & CO. KG

HALL 3, BOOTH D36

**New tube latexing machine with
integrated inspection units**

The new TGA-250 EVO tube latex machine combines several production steps from different Sprimag machine solutions. The tubes are not only latexed here, but also inspected both pneumatically and visually and ejected directly in case of defects.

In the first processing step, 24 testing heads pneumatically inspect the aluminum tubes for leaks and cracks up to a leak/crack size of 0.05 mm. If defects are detected at this point, the first parts ejection already takes place here.

The TGA-250 EVO has three S-540 centrifugal guns with adjustable stroke movement, which carry out the latexing. The benefit of this is that even more precise results are achieved due to the longer latexing times. Downstream of the latexing unit, there is an additional parts ejection, which can be used for fine adjustment of the centrifugal guns during machine setup.



After the latexing process has been completed, the tubes will be adjusted and set in rotation on their further transfer through the machine on the vacuum conveyor belt, while a linear unit travels along the rotating tube end in a stroke motion. At this point, it is now possible to install a camera inspection unit to inspect the tubes visually for internal coating and latexing after the latexing process. The linear unit is designed as an "open platform" so that different camera systems can be integrated depending on customer requirements. Again, defective parts are ejected directly after the inspection unit. Finally, a vacuum transfer drum transfers the latexed tubes, which have now undergone multiple inspection steps, to the downstream machine.

Sprimag Spritzmaschinenbau GmbH & Co. KG
 Henriettenstrasse 90
 73230 Kirchheim-Teck, Germany
www.sprimag.com

STOLLE MACHINERY COMPANY

HALL 3, BOOTH C47

At Metpack '23, Stolle Machinery will be highlighting their company-wide commitment to sustainability in products, services and facilities. Stolle has made continuous advancements in designing and incorporating new productive and sustainable features that use fewer materials while reducing consumables like electricity, gas and water, as well as accommodating alternative energy sources. Stolle will have personnel available to discuss advancements in specific systems, as well as sustainable practices in procurement, shipping, training and more.

A major exhibit in the stand will be a Concord Decorator that's equipped with demonstrations of Stolle's latest developments in Smart Decorator technology. The machine will feature Stolle Inkjector fountains which allow deco operators to remotely adjust the fountain keys from the HMI screen, saving time and increasing operator

safety. The Concord Decorator will also be demonstrating Remote Registration, an innovative system that allows deco operators to make fine adjustments to the plate cylinders from the control screen to ensure perfect registration of the label artwork.

The stand will also have on display necking and bottom reformer modules from a Stolle E-NCKR die necking system, and the new TOYO Continuous Bottom Reformer – experts will be on hand to discuss these machines.

A large range of other new technologies will be presented including, improved redraw and ram guidance systems for the Stolle Ragsdale Bodymaker, Stolle Optimus washer advancements, the new higher speed EHS Compound End Liner, and more. Stolle will also offer a fascinating glimpse into the future in a video featuring the Stolle InSight System, a comprehensive machine management program that helps facilities leap into the future of can production with better real time machine metrics and operational data.



Stolle looks forward to seeing you at the show!

Stolle Machinery Company
 6949 S. Potomac Street
 Denver, Colorado 80112, USA
www.stollemachinery.com

SUN CHEMICAL GROUP GMBH

HALL 3, BOOTH A39

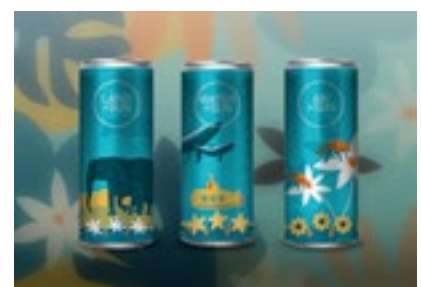
Sun Chemical to Exhibit at Metpack 2023 and Transform Metal Packaging

Sun Chemical can be location in Hall 3, Stand A39 during Metpack and will present its well-established and highly successful metal decorating product families: SunDuo, SunTrio and SunAltec.

SunDuo for two-piece cans provides canmakers with a range of high value, flexible, robust inks that offer high speed press performance and are suitable for printing on steel and aluminium cans in "novar" and over varnish technology.

Offering both UV and conventional curing, the SunTrio range for three-piece cans provides excellent press performance and good adhesion between layers and to the substrate. Versatile, flexible, cost-effective and highly resilient, SunTrio is suitable for use with all types of metal cans and closures, including crowns, drums, aluminium pilfer proof caps, aerosols, food and fish drawn cans.

Sun Chemical's SunAltec series of inks for metal decoration on aluminium collapsible tubes and monobloc bottles and aerosol cans offers outstanding performance, superior quality, high productivity and strong chemical resistance properties. The MB Plus Series, part of the SunAltec product family on display, has been specifically designed for the application on monobloc aerosols and uses an ink system that has been adapted for optimum performance on new generation production lines using today's basecoat technology.



Along with our product offering Sun Chemical is committed to supporting the metal packaging industry achieve its sustainability goals. Our approach to sustainable product development includes risk management and eco-efficiency improvements, as well as a proactive approach in working with suppliers, customers, and industry trade groups to promote best practices.

To learn more about offering visit: <https://www.sunchemical.com/airwaterland>

Sun Chemical Group GmbH
An den Hirtenäckern 15
63791 Karlstein am Main, Germany
www.sunchemical.com

T.D. WRIGHT INC.

HALL 3, BOOTH C43



Since 1975 T.D. Wright has been dedicated to producing innovative and reliable magnetic cylinders. Our Modular Magnetic™ design, and precision manufacturing are combined to produce the strength and reliability that T.D. Wright is known for. We have been innovating for nearly 50 years and are committed to making the finest magnetic cylinders in the industry.



T.D. Wright Inc.
292 Walnut Street
St. Paul 55102, USA
www.magneticcylinders.com

TAIZHOU TONGYI MACHIERY EQUIPMENT CO., LTD.

HALL 1, BOOTH C47

Taizhou Tongyi Machinery Equipment Co.,Ltd is a professional manufacturer of specialized in can machinery and intelligent testing device,with over 30 years of history.Holding the faith of“to create the most value for customer”,we grasp the core technology, application of the intelligent control technology,electromagnetic induction and advanced manufacturing technology,we keep improving the production efficiency of equipments and automatic production, providing high-quality products and good service to customers at home and abroad.



Taizhou Tongyi Machinery Equipment Co., Ltd.
126 Qianwang Rd., Duqiao Town
317016 Taizhou, China
www.china-tongyi.com

TATA STEEL EUROPE

HALL 3, BOOTH B25

Tata Steel: Futureproof solutions for sustainable metal packaging

Visit Tata Steel to find out how you can benefit from the latest innovations for futureproof canmaking. On the stand, our team will be delighted to work with you to find the best packaging solutions to overcome your challenges.

Take Protact®. Already a market success story, we have now extended this leading-edge, polymer coated food-safe product to include new tailored variants further optimised for

efficient canmaking. These include solutions for two-piece DWI cans, ends and components as well as three-piece can making.

Protact's® polymer coating system is guaranteed BPA-free and simplifies canmaking operations while lowering the environmental footprint eliminating VOC emissions and significantly lowering energy and water consumption. Protact® offers a step change in production efficiency at both small and large volumes.

TCCT® is Tata Steel's new, sustainable tin-free packaging steel developed at our very own state-of-the art R&D facility, and a reliable replacement for ECCS. It sets the new standard in industry as the future ready alternative metal coating.

Huib Simon, Head of Marketing Packaging, says: “Upcoming EU REACH legislation is important for improving the health and safety across industry, including the metal packaging supply chain. In some cases, the availability of existing products may even be affected.

“TCCT® offers a fully compliant solution which, together with the new CFPA passivation, meets customers' concerns about the new regulations. TCCT® provides an easy transition for packaging steel users who can now switch their supply in good time.”



Tata Steel's commitment to achieving carbon neutral steel making will also be showcased at Metpack. Canmakers can already benefit from our zero-emissions journey through Zeremis® (NL) and Optemis® (UK) Carbon Lite – a certificate-based, low carbon emission steel solution. Carbon Lite offers potential for up to 85% reduction in carbon dioxide

intensity of packaging steel through a certificate based, mass balanced proposition.



Visit Tata Steel stand 3B25, hall 3 to see these new and exciting packaging solutions.

Tata Steel Europe
Wenckebachstraat 1
1951 JZ Velsen-Noord, Netherlands
www.tatasteeleurope.com

THE CANMAKER

HALL 1, BOOTH D40



The Canmaker
Established 1988

Help your business innovate and thrive

Come and visit our stand to see how you can learn more about canmaking. The Canmaker is a key source of business intelligence for canmakers, fillers, their suppliers and brand owners in the food, beverage, personal care, home and industrial sectors.

In addition to the latest innovations in metal packaging and filling, The Canmaker provides news, reviews, market developments and comment in a multi-billion dollar global market that is continuing to grow.

Vital resource

Having reported on developments in the world of metal packaging since 1988, The Canmaker is an established international publication providing a vital resource for decision makers in the packaging and filling industries.

Reach canmakers, fillers and their suppliers

Our highly focused and reactive readership provides a most effective medium through which products and services can be promoted to

canmakers, fillers or suppliers anywhere in the world. Come and speak to us to see how we can help you grow your business.

Our full business intelligence package.

Come and speak to us during METPACK and discover how to gain access to an unparalleled knowledge base for metal packaging professionals. Our business intelligence package includes access to canmaker.com, The Canmaker magazine, The Canmaker Innovations and The Canmaker Gold Club membership.

The Canmaker Innovations

Published at the beginning of every year, The Canmaker Innovations reviews the latest metal packaging developments, technology and ideas. It has been a staple of the metal packaging industry for many years. Pick up a free copy from our stand during METPACK.

The Canmaker
Sayers Publishing Group Ltd.
Durand House, Manor Royal
Crawley, West Sussex RH10 9PY,
United Kingdom

THE SHERWIN-WILLIAMS COMPANY

HALL 1, BOOTH B26

As a leading global supplier of packaging coatings, Sherwin-Williams helps develop, protect, and advance the packaging design and heritage of many of the world's best-known brands. Whether your goal is to develop a new generation of packaging designs, meet ever-changing regulatory challenges or to enhance the sustainability of a packaging product, you can count on Sherwin-Williams to deliver the solutions you need.



During your visit to Metpack 2023, stop by our Booth 1B26 to learn more about our product portfolio including our valPure line of non-BPA coatings featuring valPure® V70. valPure V70 is a unique, innovative, and high-performing series of can coating technologies that deliver the same epoxy coating performance for application and product protection canmakers and brand owners demand – without the use of BPA. valPure® V70 serves as a long-term and sustainable solution for the packaging industry.

The valPure V70 technology was developed utilizing the Sherwin-Williams Safety by Design product development protocol. This innovative approach to product development was modelled after pre-clinical pharmaceutical evaluations, focusing on the early screening of materials for regulatory and environmental compliance to develop innovative packaging coating solutions. This process ensures products are developed to stand up to scientific rigor over the long term.



valPure V70 can be effectively applied to 100% post-consumer recycled aluminum. Our valPure V70 supports can makers and brand owners to achieve circularity goals while responding to market demand for new coating solutions.

valPure® V70, the world's first non-BPA epoxy coating for food, beverage and personal care can linings has won the SEAL Sustainable Innovation Award and the Global Good Award for Best Product of the Year.

While newly launched in the European market, valPure V70 technologies are widely used throughout North America, lining over 100 billion cans in the market.

The Sherwin-Williams Company
2000 Georgetown Drive, Suit 40
Sewickly, Pennsylvania 15143, USA
www.packaging.sherwin.com

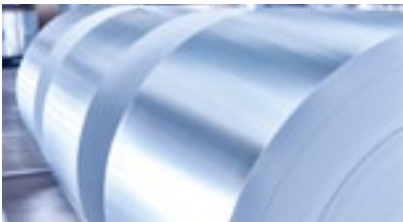
THYSSENKRUPP RASSELSTEIN GMBH

HALL 3, BOOTH A31

rasselstein® – for those who can!

Sustainable premium packaging steel is what defines thyssenkrupp Rasselstein GmbH. At booth A31 in hall 3, Germany's only tinplate manufacturer will present CO₂-reduced tinplate made from blue-mint® Steel, its chromium(VI)-free products, and new products and digital service innovations. The team of the German packaging steel specialist is looking forward to stimulating conversations with the trade show visitors.

Thanks to tinplate made from blue-mint® Steel, the company now has a CO₂-reduced material in its portfolio. This can save up to 69 percent CO₂. The product uses alternative source materials in the steel production process, reducing the coal consumption required for the reduction process in the blast furnace.



The topic of sustainability will also play another role at the stand. thyssenkrupp Rasselstein will provide insights into the green transformation of steel production and present its REACH-compliant chromium(VI)-free products CFP (chromium-free passivation alternative) and TCCT® (special chromium-coated packaging steel).

With the packaging steel grade rasselstein® D&I Solid, the company has launched the next generation of D&I material for the production of two-piece food cans. This allows for material savings of up to 10 percent.



Last but not least, the company will be presenting its latest digital services, which significantly simplify existing processes for customers: For example, the complaints registration via the Packaging Steel app, the expansion of the customer service platform Steel Online and the expansion of the B2B packaging steel online shop for rasselstein® Express.

thyssenkrupp Rasselstein GmbH
Koblenzer Straße 141
56626 Andernach, Germany
www.rasselstein.com

TORUS MEASURE- MENT SYSTEMS LIMITED

HALL 3, BOOTH A53

After over 30 years in the food, beverage and aerosol industries, metal packaging is at the heart of our business. Our team all have a shared passion for the industry as well as a customer-centric approach to everything we do.

Torus Inspection systems are designed with flexibility in mind covering a large range of food, beverage, and aerosol manufacturing inspection requirements. Our modular design approach provides full customer flexibility allowing you to configure individual inspection modules and handling systems to best suit your specific manufacturing requirements.

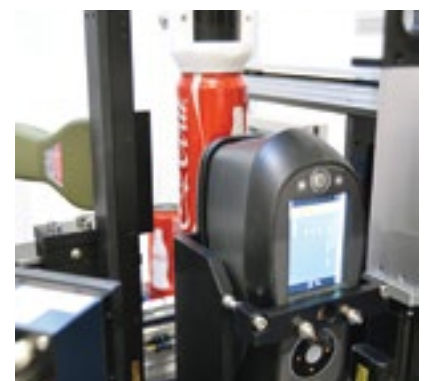
At MetPack this year we will be showcasing for the first-time, brand-new technology, the Torus Z606 Score Gauge. This gauge gives the

industry a long-awaited automated solution for the measurement of score residual on beverage and food ends, removing any operator bias. The system is completely user configurable allowing analysis of the whole score path, or specific measurement positions.

Based on the white light scanning interferometry, Torus has optimised measurement of the score residual by designing a state-of-the-art sensor. The sensor uses interferometry optics and a narrow band light source combined with a high-resolution voice coil positioning slide. This allows the system to scan over a measurement surface to create a point cloud of up to 2.3 million data points. On the Z606 score gauge, surface data is generated by scanning both the product and consumer side of the can end and the gauge locates the score path and return the residual thickness.

The loader system can load up to 8 stacks of ends into the gauge for any one cycle, enabling multiple sizes to be ran through the gauge. Ends are loaded into an innovative holding system which moves the part into its measurement positions. The handling is universal for most end sizes, removing the need for any change parts.

The Z606 also integrates machine vision to find the orientation of the end when it is loaded. This feature increases usability of the gauge where the operator can set the desired measurement position easily. Measurement positions can be added anywhere along the score path and measurement times are less than 30 seconds per position.



The Torus Z606 provides end makers with the complete data set required to control their score process and prevent faulty ends from making it through production.



Torus Measurement Systems Limited
 1 Nedge Hill Science Park
 Telford Shropshire TF3 3AJ, United-Kingdom
www.tmstechnology.com

UBIS (ASIA) PUBLIC COMPANY LIMITED

HALL 3, BOOTH E53

Manufacturer of Compound Sealant and Can Coating Lacquer for Metal Packaging

UBIS Asia is a leading manufacturer of Compound Sealant and Can Coating Lacquer for Metal Packaging. Our commitment to producing high-quality and tailored products that meet the specific needs of our customers is unwavering. All of our products are compliant with strict regulations, such as the US FDA and ANVISA, and have gained approval from

renowned brands like Coca-Cola, Heineken and SC Johnson.



At UBIS Asia, we operate with a strong emphasis on sustainability and quality. We believe in minimizing our carbon footprint and minimizing risks to our supply chain, and this has helped us to expand into new markets. While we plan to explore building a localized manufacturing plant in Latin America to minimize shipping costs, we remain committed to delivering high-quality products that meet and exceed our customers' expectations. With a vision that is grounded in our commitment to sustainability and excellence, UBIS Asia is poised to continue to grow and serve its customers for years to come.



UBIS Asia welcomes you to visit our booth and meet with our team of technical specialists. We believe that direct communication with our customers is key to delivering products that meet their exact requirements, and we are always happy to discuss any specific needs or concerns. Let's work together to find the best solution for your metal packaging needs.

UBIS (ASIA) Public Company Limited
 238, 15th Floor, Unit 4-6, TRR Tower
 Naradhiwas Rajanagarindra Road,
 Bangkok 10120, Thailand
www.ubisa.com

UNIMAQ LIMITED

HALL 1, BOOTH B12

Exhibiting at Metpack World 2023 in Hall 1 on stand 1B12 are Unimaq known as the world's number 1 independent provider of can decorating machines, products, spares and services who enable can producers to efficiently manufacturer 'filler ready' 2-piece drink cans that present Beverage Producer's brands in the very best light.



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On the stand Unimaq are presenting their energy & cost saving LED Ultra-violet Mass Bass Rim Coater, (UVM-BRC) system which drastically cuts harmful emissions including CO₂ to help the Beverage industry achieve their stated and legislative Net Zero targets. Large corporations such as beverage brand owners must report on and reduce emissions including Scope 3 emissions, which include all indirect emissions that occur in the value chain. The US Environmental Protection Agency describes Scope 3 emissions as "the result of activities from assets not owned or controlled by the reporting organisation, but that the organisation indirectly impacts in its value chain." Even though these emissions are out of the control of the reporting company, they can represent the largest portion of its greenhouse gas emissions inventory.



The production of 2-piece aluminium cans fits this description perfectly, so initiatives to reduce emissions and save energy are a must for beverage brand owners and drink retailers making those in the value chain who can reduce emissions a more attractive supplier.



The advantages of Unimaq's LED UVM-BRC are; a reduction in harmful greenhouse gases including CO₂ and Ozone, much reduced energy costs associated with Base Rim Coating, short investment payback period typically 9 to 18 months, much reduced fire risk, no requirement for intake or exhaust fans or

ducting, reduced spares and maintenance and, the elimination of the use of mercury. Come and visit us in Hall 1 on stand 1B12 and learn all about our exciting product range.

Unimaq Limited
6 Pacific Park,
LL13 9PN Wrexham, United Kingdom
www.unimaq.co.uk

VELOX PURE-DIGITAL LTD.

HALL 1, BOOTH D33

Mass production direct-to-shape digital decoration solutions

Velox, a developer and manufacturer of industrial direct-to-shape digital decoration solutions offers metal can converters, packaging wholesalers and fillers the highest level of printing quality and flexibility at unmatched speed together with low total cost of ownership and built-in sustainability.

Velox will highlight its Velox IDS-NC 500 for printing on necked beverage cans running at a speed of up to 500 cpm. This solution eliminates the need for shrink sleeves and labels for craft beer brands and other beverage companies seeking to print quantities smaller than the minimum run length set by can manufacturers. Finally, there is a direct-to-can alternative to the costly, non-sustainable labels for small-medium beverage brands.



Velox's technology presents a different approach to direct-to-shape digital printing by developing both the ink and the system architecture specifically for mass production direct-to-shape applications. This accounts for the superior decoration quality achieved at mass production speed, while providing a highly efficient and flexible decoration process. Additionally, the robust system architec-

ture allows easy scalability in speed and colour and process optimization for a smooth and continuous decoration process.

Also highlighted is Velox's digital solutions for printing on straight-wall and shaped aerosol cans running at a speed of up to 500 cpm. Using the same breakthrough core technology, these solutions feature an extremely wide color gamut, photorealistic imagery, highly opaque selective white, matte and gloss finish, smooth gradients and seamless end to end decoration. Velox's solutions provide a low TCO and enhanced sustainability by removing setup costs and waste, process steps, decoration equipment, and increasing line capacity.



Velox Pure-Digital Ltd.
8 Hamelacha st., Rosh Ha'Ayin,
Carmelim Bld. , 3rd floor,
POB 11493, 4809114 Israel
www.velox-digital.com

VMI HOLLAND BV

HALL 1, BOOTH B12

Making your can washing process more sustainable and cost efficient.

As a leading technology supplier, VMI is not only a machine manufacturer, but we also offer a broad spectrum of services to help our customers get the maximum out of their VMI installation.

VMI Can launches a number of retrofits that focus on minimizing the impact on the environment by taking measures to save water and energy (ISO 50001) and improve waste water quality (ISO 14001). VMI offers sustainability visits and audits where one of our highly experienced engineers visit the customer

and inspect and determine the condition of the VMI equipment. After the visit, the customer receives an extensive report with maintenance recommendations, proposed spare parts and an efficiency improvement plan on energy usage.



The ACOD and ACOD-XL systems were developed by VMI to significantly reduce (up to 33%) the water introduced into the dryer. This results not only in a considerably reduced energy consumption of the VMI dryer, but also in a reduced contamination of the washer stations.



These new features are not only available on new machines, but can also be retrofitted into existing equipment. This allows our customers to keep their existing equipment at best practice level throughout their lifecycle.



VMI Holland BV
P.O. Box 161
8160 AD Epe, Netherlands
www.vmi-group.com

WAKOL GMBH

HALL 3, BOOTH A34

High performance Sealing Compounds for all process conditions Wakol, leading provider of sealing compounds, displays its comprehensive product range at METPACK in Essen, Germany. Using Wakol Sealing Compounds, manufacturers can resolve even complex process challenges.

Productivity increases in the lining process are clearly a focus topic of Wakol. Reducing down-time and scrap rates are important factors which keep customers competitive.

Especially for Wakol food contact products, putting up with an increasingly complex landscape of regional regulations and food industry demands for the safety of the materials is a point steadily growing in importance.

The globally growing demand of beverage cans and the need for efficient production processes whilst supply chain safety has become more demanding, requests new answers from sealing compound suppliers. For products for beverage can end lining, exemplified by WAKOL D 3756 Sealing Compound, Wakol focused on excellent process stability, even at highest line speeds in order to reduce scrap rates to a minimum and consequently save material and money.

WAKOL D 3756 Sealing Compound is a tailor-made sealant choice for beverage can lining and is newly introduced to the market. Developed to fulfil highest quality standards, WAKOL D 3756 Sealing Compound incorporates all the knowledge and experience from decades of Wakol's continuous innovation process in sealant development. Its formulation is fine-tuned for highest performance in state-of-the-art lining and filling operations

As for the EVA technology the above-mentioned benefits are already incorporated by design of these formulations, which have been part of Wakol's portfolio for decades. General changes were not necessary.

Latest improvements address runnability and processability of the compound, in more demanding operations and extend the technology also to non-round lining operations for food cans. With WAKOL D 3705 Sealing Compound and WAKOL D 3745 Sealing Compound (for non-round robotic application) the portfolio has been further completed.

More information

Further information to the products can be obtained on the internet site sealingcompounds.wakol.com



Wakol GmbH
Bottenbacher Straße 30
66954 Pirmasens, Germany
www.wakol.de

WALLRAM GROUP

HALL 3, BOOTH A49



WALLRAM CAN TOOLING & ENGINEERING

Even if a large variety of metal packaging is available – two-piece or three-piece, in the form of a tube, bottle or can – WALLRAM provides always the right tools for the manufacturing process.

Whether cupper-press, bodymaker, necker, trimmer or decorator: WALLRAM tools can be found in applications all over the world.

The high quality and wear resistance of WALLRAM tools contribute to a reduction of production costs by extending service life and reducing scrap.

The comprehensive regrinding service increases the tool life cycle and

supports sustainable and environmentally friendly production.

With around 50 years of experience in the can-making business, Wallram is a preferred partner when it comes to can tooling!

WALLRAM GROUP

With Cantooling production sites in the USA, Germany and Poland and customer-service-points in Brasil and China WALLRAM is recognized for High Precision Tooling, Cost Reduction Programs, Professional Service and Engineering Support in the Can Making Industries.

WALLRAM Intelligent Grinding with production sites in Germany and Italy gives the tool-production direct access to the best manufacturing capabilities.

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WALLRAM Germany
Schuermannstrasse 40
45136 Essen, Germany

WALLRAM USA
1819 S. Murray Blvd.
Colorado Springs, Colorado 80916, USA

WALLRAM Poland
Ul. Pollanki 44
30-740 Krakow, Poland

www.wallram.com

XIAMEN BAOFENG GROUP CO., LTD.

HALL 2, BOOTH A19

Xiamen Baofeng Group Co., Ltd., located in Xiamen, a coastal city in southeastern China, is the largest aluminum EOE manufacturer in China. The company has a strong reputation in the industry for its high-quality products and reliable customer service. Its products include 2pc Can End 200 & 202 in both B64 & CDL, and also 3pc Can End of 113, 200, 206 and 209FA & BE. The company's production processes are certified by international quality management standards, such as ISO9001, ISO14001, ISO45001 and FSC22000.



Baofeng has just passed its first decade of EOE making business operations, following a brilliant sales achievement with a volume of over 40 billion ends in the year 2022, it quickly jumped into the 2nd ten-year plan by setup the 2nd large-scale EOE production plant in Hubei prov-

ince, an essential economically developed in central China. With the location advantages of the new plant, it will be able to provide better and more efficient supply services to the customers in central, southwest and northwest China, and simultaneously meets the growing demand of the expanding can production around these regions.

Xiamen plant also takes this opportunity to optimize the product structure and to increase the 200 & 202 CDL production lines in order to meet the continuously growing demand. It will continue to ride on its seaport geographic advantage and the matured shipping network to expand supplies to overseas markets. The company sales and services network has already reached globally covering all continents.



Baofeng has a very strong commitment to sustainability and environmental responsibility. The company implements eco-friendly practices in its production processes and is committed to reducing its CO₂ footprint. The number of awards granted by governmental authorities as a high recognition of environmental protection contributions.

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Xiamen, China
www.xmbaofeng.com

XTRACAN GMBH

HALL 3, BOOTH A15

Brand new on the European market:

Monoblock Aerosol Steel Cans – Made of tinplate steel in one production process

For monoblock aerosol steel cans, //xtracan is setting highly modern standards with its new DWI Line. In the frontend a steel cup is punched out of a steel coil and the cup is then ironed into a cylinder in the bodymaker. The cylinder is directly transferred into the integrated decoration unit with inside coating and up to 9 colour printing machine. With a modular necking system the can is necked to its individual style.



As an innovative alternative to 2 piece or 3 piece cans it combines a lower risk of leakages and corrosion with a premium appearance.

//xtracan produces steel cans with a diameter of 66 mm in different heights and customized 360° printing design. The new monoblock steel can is a perfect and safe packing solution for body care, home care and technical products.

//xtracan is the newly founded company of the wifagpolytype

group, located on the Swabian Alb in the south of Baden-Wuerttemberg.

xtracan GmbH
take-off GewerbePark 143
78579 Neuhausen ob Eck, Germany
www.xtracan.com

ZELLER+GMELIN GMBH & CO. KG

HALL 3, BOOTH B49

New ink series for printing on metal

The printing ink manufacturer Zeller+Gmelin GmbH & Co. KG has updated its range for metal printing. The specialist for this field of application and supplier of radiation-curing ink systems for offset and flexo printing announces the market launch of the new MetalDry O30 ink series. It works on an alkyd basis and continues the success story of the predecessor series Eurapid O3. The new ink series also dries conventionally and is designed to require a low dryer temperature. This is particularly advantageous from an ecological point of view in order to save energy in metal printing.



Michael Rakoci is product manager for the Metal Decoration segment at the ink manufacturer Zeller+Gmelin.

The special features of the MetalDry O30 series include high ink density and very good gloss properties. The series includes process colours and mono-pigmented base colours and is available in Pantone shades and in various opaque white types. Com-

pared to the previous series, the scratch resistance has been significantly improved. In combination with a special additive, so-called non-varnish products (e.g. longcaps) can be realised.



Automatic filling of the new ink series.

During the development of the new ink series, the current regulatory requirements were taken into account. At the same time, the MetalDry O30 ink series is the start of a new product family for Zeller+Gmelin that bears the term 'Metal' in its name. "The name MetalDry refers to the thermal drying process for which this product has been specially developed," explains Michael Rakoci, product manager for the Metal Decoration segment. "With the name 'Metal', the new product family establishes an internationally understandable reference to the field of application. It replaces the previous brand name Eurapid.



During the development in the own laboratory current regulatory requirements were taken into account.

Visit us at the Metpack 2023
Hall 3/Stand 3B49

Zeller+Gmelin GmbH & Co. KG
Schlossstrasse 20
73054 Eisingen/Fils, Germany
www.zeller-gmelin.de

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www.rotisserie-ruettenscheid.de

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www.cowboystylesteakhouse.com

Jagdhaus Schellenberg

Heisinger Straße 170A
Phone: +49 (0) 201 437870
www.jagdhaus-schellenberg.de

Pubs

Die Kokille

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Phone: +49 (0) 201 45864655
www.facebook.com/diekokille

Fritzpatrick's Irish Pub

Girardetstraße 2
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www.facebook.com/fritzpatrickssessen

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Pharmacy
Rüt(ten)scheider Straße 132
Phone: +49 (0) 201 774817

Arbeiter Samariter Bund

First Aid
Hall 3
Phone: +49 (0) 201 7244-417

Uniklinikum Essen

Hospital
Hufelandstraße 55
45147 Essen
Phone: +49 (0) 201 7230

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www.sparkasse-essen.de

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45130 Essen
www.commerzbank.de

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BAUHAUS Essen Frohnhausen

Hardware store
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dm-Drogerie Markt

Drugstore
Rüt(ten)scheider Straße 62-64

Getränkewelt im Giradet Haus

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REWE

Supermarket
Rüt(ten)scheider Straße 94

EDEKA

Supermarket
Rüt(ten)scheider Straße 62
Rüt(ten)scheider Straße 255

ALDI Nord

Supermarket
Rüt(ten)scheider Straße 62-64

Lockers

South foyer

West foyer

Cab Service

Abholdienst Taxi Specht

Phone: +49 (0)201 77 30 77

Taxi Essen e.G.

Phone: +49 (0) 201 8 66 55

Dickhut Armin Taxiunternehmen

Phone: +49 (0) 201 58 11 05

Taxi Süd

Phone: +49 (0) 201 26 90 40

Organiser

MESSE ESSEN GmbH

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info@messe-essen.de

The logo for Messe Essen, consisting of the words "MESSE" and "ESSEN" stacked vertically in white, uppercase, sans-serif font, centered within a dark blue square.

MESSE
ESSEN