

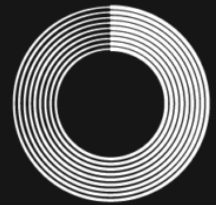
IWMA INSIDER

THE OFFICIAL IWMA WIRE & CABLE MEMBER MAGAZINE

MARCH 2024

wire

Düsseldorf



SPECIAL

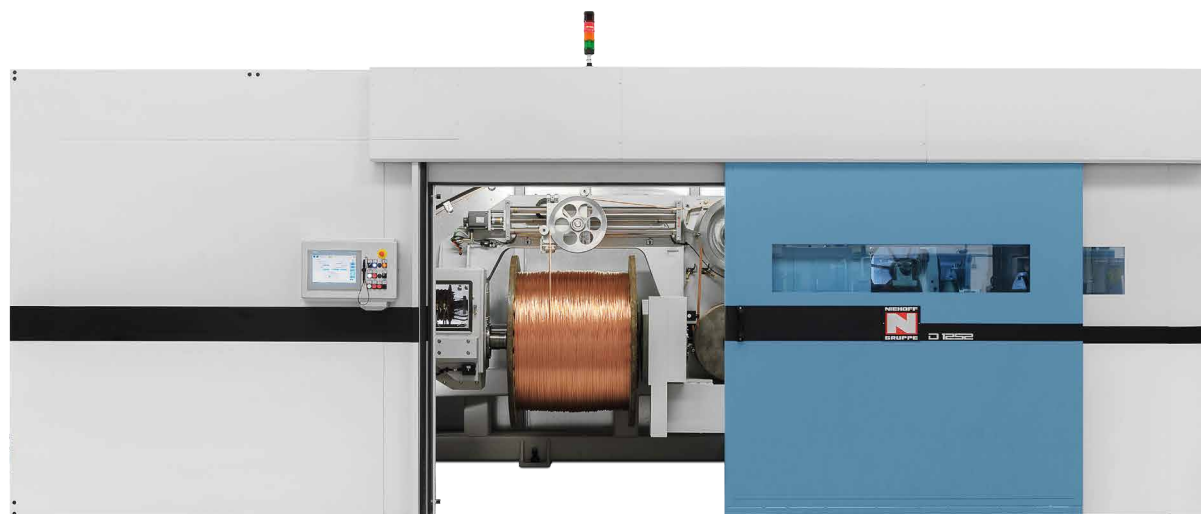
- / INNOVATION AND EXCELLENCE AT WIRE 2024**
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- / CONNECTING EXPERTISE GLOBALLY**

NETWORK / INNOVATE / DISCOVER

IWMA

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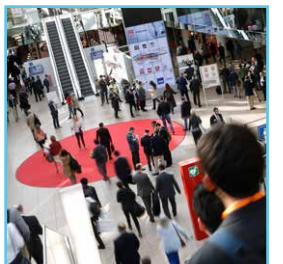
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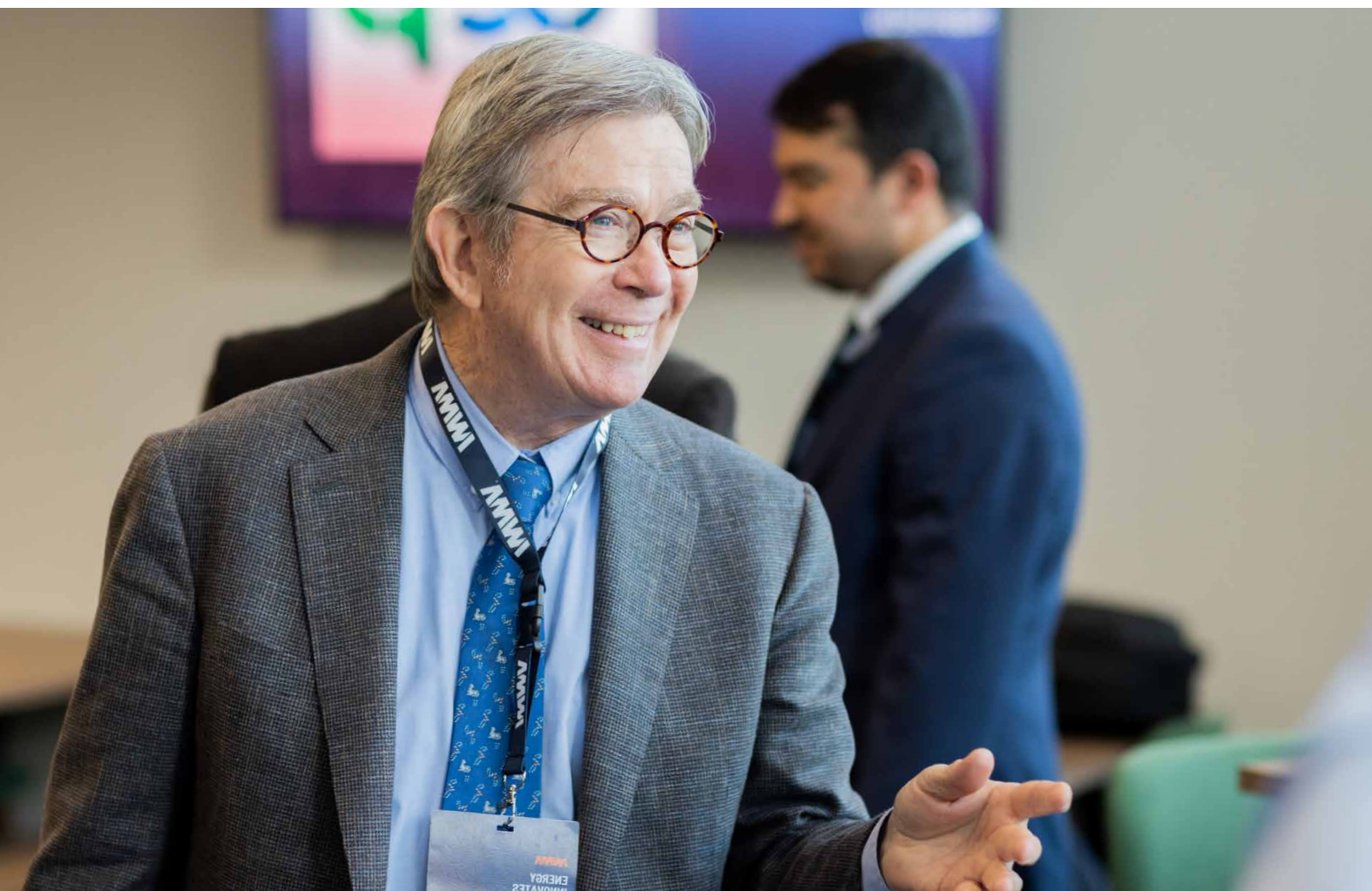
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Chairman's Welcome



Welcome to IWMA in 2024!

Quite a lot has happened since my last message in December; for one we ended the year on a high with our two-day Energy Innovates conference, and for another we launched our new version of the IWMA magazine, IWMA Insider.

I enjoyed the conference immensely; the presentations made everyone there fully aware – if they weren't already – of the extent to which the industry is playing its part in the future, with visionary engineers and companies finding new ways to produce and distribute the power the world needs, in a mix of ever-more-elaborate control systems and massively-impressive entrepreneurship. All with the help of lots, and lots, of new cable!

In February we launched our 2024 calendar with our traditional IWMA Industry Lunch. In addition to guests having the chance to network and meet up with old friends we also heard from Friedrich Kehr, Global Portfolio Director at Messe Düsseldorf GmbH about the upcoming wire Düsseldorf exhibition – an event no one

will want to miss – and named our IWMA Young Employee of the Year, more about which you can read later on **page 8**.

We're excited to be back again in Düsseldorf this year. We will be in hall 11, stand D22 and will offer our usual hospitality to members and potential members alike, as well as meeting tables for members to meet guests and possible clients. Members will be able to enjoy light lunches (but when the sandwiches are gone, they're gone!), each day from 12.30pm-1.30pm, and we will be running two full networking events on the stand, on the Tuesday and Wednesday evenings. Find out more about the IWMA stand on **page 35**.

Also in Düsseldorf, we will be welcoming this year's ten wire education awardees. Our awardees, who will receive free travel to Düsseldorf, accommodation, and admission to the wire show, will have the chance to meet industry leaders, ask questions and chat to experts in their chosen fields. This year's award attracted more applications than ever before, and it was hard to narrow them down to only ten. We are extremely encouraged by the growing success of our wire education awardee programme and encourage all our members to be sure to nominate their candidates for this programme in the future.

The other big shows we are looking forward to with great anticipation this year are wire China in September and wire India in November. At both we'll be returning to our popular networking events (find out more on these on **page 35**) and there will also be opportunities for members to give presentations in our stand's new seminar and presentation area. Stay alert for our emails to see how you can be part of this.

To round out our 2024 events this year will see the return of our popular IWMA dinner dance, which has been part of the IWMA scene since the mid-1970s. Full info on **page 9**.

Throughout 2023 IWMA worked on developing a 5-year plan to provide essential operational continuity, membership growth and to strengthen its delivery of member benefits. One of the many actions we've initiated to successfully achieve these objectives has been to re-introduce the role of a president for IWMA.

With this in mind, I am extremely happy to share, as no doubt many of you will already know, that my friend and fellow IWMA executive management committee member Bernd Lohmüller – joint managing director of machine makers Maschinenfabrik Niehoff – will be our president, while I continue as chairman. I will continue to handle the day-to-day work of the association while Bernd, as you can read in an extended profile in this edition, will spearhead a move to attract new members and enhance the influence of IWMA around the world.

That's all for this time. I look forward to seeing you in Düsseldorf. Please be sure to come and visit us in **Hall 11, Stand D22**.

My very best wishes to you all

Don Neville
Chairman, IWMA



Engineering Success:

Bernd Lohmüller's Path from Mechanical Engineer to IWMA President and Sales Visionary



It took newly-announced IWMA president Bernd Lohmüller a little over a decade to realise – with the help of American colleagues – that while he had joined German wire and cable machinery giant Maschinenfabrik Niehoff as a mechanical engineer, his true calling might be in sales.

After joining Niehoff from university in 1988 as a 23-year-old mechanical engineer, he had spent the 1990s with engineering teams developing coilers and annealers; indeed, he acquired three international patents for his work.

“Then I moved to our American subsidiary, Niehoff Endex, in 2000 to be technical manager, and in 2002 became its Managing Director,” smiled the 58-year-old, current Niehoff Group joint managing director.

“Our sales team there was always asking me to go along to sales meetings and used to call me their best salesman, even though I protested I was an engineer. The reason was simply that as an engineer, I could explain the machines to fellow engineers in detail, so they trusted us, and we made sales on the strength of that trust.”

It was a lesson for the future, certainly. Bernd began his growth in sales and service at Niehoff Endex – based in New Jersey – and has continued in the same vein. In his current group role, he is responsible for the company's global sales and service operations.

“I greatly enjoyed my time in the US,” he said. Born and raised in Niehoff's hometown of Schwabach, Bernd has spent time away from the town only twice: to run Niehoff Endex, and earlier when he studied mechanical engineering (at Nuremberg University, only 20km away). When he returned to Germany from the US in 2005, it was to take charge not of technical matters but as manager of Niehoff's global sales and service operations, serving under two CEOs; the highly respected Heinz Rockenhauser, who was responsible for growing the company internationally for two decades until 2013, and his successor, Arnd Kulaczewski, who left the company in 2017.

After the latter's departure, the senior management role was split three ways: Bernd became MD in charge of sales, his long-term colleague Elena Graf became MD and retained her role as financial officer, and Ralf Kappertz joined to be MD in charge of production and engineering.

“The set-up works very well; we all have expertise in specific areas and together we form a powerful team,” Bernd explained.



The company, founded by Walter Niehoff in 1951 (he too was an IWMA president, in 1983), ran as a family business for many years, with the founder very much in charge. Niehoff is renowned for producing rod breakdown lines, multiwire lines, Double Twist stranders, braiders, tin plating lines, and much more wire processing equipment.

As Bernd explains, Niehoff's strength lies not simply in keeping its machines running, but in upgrading, enhancing, and automating them in ways never envisioned by their original engineers – people like himself – when they were designed and built 20, 30 or even 40 years ago.

“Our business today has two sides,” he explained, *“Machinery for expansion, and machinery for substitution. The first is self-explanatory, and it's not really enough to sustain the company.”*

“But we have clients running machines up to 60 years old, so we advise replacing the oldest machines because new ones are more efficient, easier to operate and use less power. If it's something like the M85, it can still command good money second hand, so makes up the down-payment on a replacement.”

“But if a machine was installed, say, in the past 25 years, the owner is less likely to want to replace it. In those circumstances we can upgrade it: new electrical cabinets; AC rather than DC motors; new control equipment, and so on. That way the machine is good for another 15-20 years.”

The two sides of the operation, plus overhauls and repairs, have seen Niehoff grow in 20 years from 700 or so to 1,200 staff, and turnover rose impressively after Covid shutdown. Despite its negative connotations, the Covid crash proved to be an extraordinary catalyst for positive change. Niehoff has seen rapid growth in the past three years.

“The market exploded after 2020; at first, we thought it was an anomaly based on pent-up demand, but the growth of renewables for generation and distribution, moves to upgrade the US power grid and electric vehicles and the charging infrastructure, have all come at the same time. They are all increasing the demand for cable and wire and will for years to come.”

As a company, Niehoff Group has an advantage over most, because is allowed by its shareholders to invest a big share of its annual profits. *“It means most of the company's annual profits can be reinvested; it's a big asset,”* explained Bernd. “We have been able to invest in our HQ campus and factories; buy the latest machine tools and so on, and money can be invested in research and development.

“Another factor in our success has been our ability to present the same face to customers, year after year. Many staff join us as young people and stay with us their whole career. It means we can rely on their expertise, and customers have long relationships with people they trust.”

Relative market domination does, of course, require constant attention, and Niehoff works on five-year strategy cycles, a new one of which is set to be taken up in the next few months as Niehoff looks towards 2030 and the demands made by international limits on carbon emissions.

“It's very clear which way we need to move,” explained Bernd. “It's all about energy, automation, training, and customer services.

“Our machines need to save energy and CO2, especially with CO2 charging on the way. The less power our machines consume, the less CO2 they produce.”

"We also need to work on automation. With automation you are minimising the influence of an operator, and it makes things more efficient overall. But in some areas, you must have an operator, and it is important to ensure they know what they are doing – which isn't easy if there is a high turnover of people. If a customer has to train new operators every few months, tools are needed to improve the process, so we are working on tutoring concepts to make this easier. Away from the company, Bernd's latest "job" is to be president of the IWMA. "To be honest I wasn't looking for more work," he laughed, "but I have been an executive management committee member since 2005, so for me the role made sense".

"Niehoff has traditionally been an IWMA member, but following Walter Niehoff into the role is about more than tradition. I was simply looking for more influence on the global wire and cable trade.

"Trade shows are important for marketing, sales, and networking and the biggest and best one is in Düsseldorf.

But there is a lot of competition; many smaller organisers want to have their own shows, but this isn't necessarily good for the industry. Ideally, we want one major show each cycle – Düsseldorf – and some satellite shows, but in India, for instance, there are three wire and cable shows a year. So, a major reason to accept the president's role was to have a measure of control. Apart from that, networking has always been a major part of the IWMA, with members all over the world.

"As for splitting the senior role in two once again, with a chairman and now a president, with all respect to (current chairman) Don Neville and my colleagues, people around the world know Niehoff and know me; it will help us to grow the organisation. My goal is to increase membership over the coming years; I like the association and together, especially with more members, we can help to structure things better.

"In some ways I'm president of the IWMA, not just for the IWMA but for the industry as a whole; and I love the industry..."

Resounding Success at Our Industry Networking Lunch!



The IWMA Industry Lunch, a cornerstone event in the wire and cable industry, recently marked another milestone in our history. This year's gathering shone a spotlight on innovation, achievement, and the bright future of our industry.

Highlights of the event were insightful presentations from esteemed industry leaders. Andrés Cartagena Ruiz of MFL Group took the stage with an enlightening talk on "Industrial Troubleshooting with GPT Language Models," showcasing the transformative potential of AI in addressing complex industry challenges. His presentation not only demonstrated the practical applications of AI but also sparked conversations on future tech integrations in our workflows.

Adding to the excitement, Friedrich-Georg Kehrer, Global Portfolio Director of Metals and Flow Technologies at Messe Düsseldorf GmbH, delivered an engaging update on the eagerly anticipated wire and Tube trade shows. His update provided a glimpse into wire Düsseldorf, what promises to be a landmark event, further cementing its status as a must-attend for industry professionals along with its satellite exhibitions globally.

The event also celebrated the achievements of rising stars within our community. Fabrice Pfefferli of AESA Cortailod SA was honoured as the Young Employee of the Year for 2024, recognising his contributions as an Electronic and SW Engineer. His award is a testament to the talent and dedication that continues to drive our industry forward.

A momentous occasion was the introduction of the new IWMA president, Bernd Lohmuller, Managing Director of Maschinenfabrik Niehoff. With over two decades of service on the Executive Management committee, Lohmuller's transition into the presidency marks a new chapter for the IWMA. His inaugural speech reflected on the legacy of his predecessor, the late Walter Niehoff, and shared his excitement for the future.

The lunch concluded with closing remarks from Don Neville, Chairman of the IWMA, who reminded attendees of the significance of the IWMA dinner dance, a tradition since 1976. His words left us looking forward to the future with anticipation and excitement for the continued growth and success of our industry.

And the winner is...

It's not only award season in Hollywood! On February 21st we were delighted to announce the winner of this year's IWMA Young Employee of the Year award at the IWMA Industry Networking Lunch held at the Delta Hotels by Marriott Manchester Airport. The awards honour the industry's most promising young talents, not just for their professional achievements, but also for their commitment to personal growth in alignment with their company's goals and their ability to effectively engage and collaborate with their peers. It wasn't easy, but our panel whittled down an impressive list of nominees to a shortlist of four outstanding candidates before choosing **Fabrice Pfefferli as the 2024 Young Employee of the Year.**

Fabrice's dedication, technical prowess, and contributions to innovation make him a worthy winner. Working as an Electronic and SW Engineer in the R&D department of AESA Cortaillod SA, Fabrice spearheaded the development of METIS, a groundbreaking scientific software for data cables now globally integrated into AESA's measuring instruments, and his expertise also led to the complete redesign of the Dragon electronic board, equipped with new communication protocols, to enhance AESA's Automated Test Equipment. Beyond technical innovations, Fabrice has been instrumental in signal analysis, developing a user-friendly support app, mentoring students and peers, and driving a collaborative project for future VNA technology. His enthusiasm for sharing knowledge through training underscores his commitment to collective growth and adds an extra dimension to an already exceptional contribution. Congratulations Fabrice – we will watch your future career with interest!

Honourable mention must go to the other three candidates who were on the shortlist: Ebony Maher, Forensic Team Leader, Bridon-Bekaert the Ropes Group, Janelle



Gerardi, Senior Product Development Chemist, RichardsApex Inc., and Rabia Ashfaq, Executive Quality Control - Technical Department, Pakistan Cables Limited. Ebony's swift progression from a forensic technician to a key contributor in developing innovative techniques has inspired her colleagues to tackle new challenges. Janelle's collaborative skills, ability to navigate a complex regulatory environment, and dedication to professional development have combined to make her a role model for young professionals. Beyond her creative and impactful contributions to advancing quality improvement, Rabia embodies the values of her organisation and actively contributes to addressing gender disparities in STEM fields in Pakistan. Industry doesn't progress if it doesn't constantly encourage new entrants to use their education and skills to take current standards to new levels, and each of our shortlisted candidates have done this, delivering innovation and excellence.

They have also made an exceptional and enduring contribution to their team, their company, and the industry as a whole, and exceeded expectations for someone at this stage of their career.

The awards were hosted by Stuart Duff, Executive Management Committee Member & Business Development Manager CEE & ROW at Metal Manufacturing Products, Q8 Oils, and presented by Friedrich-Georg Kehrer, Global Portfolio Director wire / Tube and Flow Technologies, Messe Düsseldorf GmbH. Thank you to them, and to every experienced professional who nominated a young colleague for this award, demonstrating the wealth of talent and dedication within our industry.

The Return of the IWMA Dinner Dance: A Celebration Decades in the Making! Save the date - 15 November 2024

Mark your calendars and dust off your dancing shoes as we proudly announce the revival of the IWMA Dinner Dance! After a hiatus, we are bringing back this cherished tradition that first graced the scene in February 1975 in Stratford-upon-Avon. This time, we are thrilled to unveil a fresh chapter in a brand-new area of London, with the iconic St. Paul's Cathedral providing a breathtaking backdrop. Join us at the luxurious Leonardo Royal Hotel London St Pauls on Friday 15th November for an evening of elegance and celebration.

Your ticket will include welcome drinks, a delicious four-course dinner, and perfectly paired wines. After dinner, continue the evening with after-dinner drinks

and live entertainment by a dynamic band as we dance the night away in style!

For the convenience of our guests, IWMA has secured a block booking of hotel rooms at a preferential rate for those wishing to extend the celebration with an overnight stay at the Leonardo Royal Hotel London St Pauls, ensuring a seamless transition from the grand festivities to a night of restful relaxation. Don't miss your chance to be part of this historic event. We look forward to welcoming you to the grand 'Return' of the IWMA Dinner Dance—get ready to revel in a celebration decades in the making!

Details regarding pricing, ticket bookings, and hotel accommodation will be released in early May — keep a keen eye out for more information!





2024-25 Event Schedule



wire Düsseldorf Networking Events

Tuesday 16th and Wednesday 17th April 2024



wire China Networking Event

Thursday 26th September 2024



wire India Networking Event

Thursday 28th November 2024



IWMA Dinner Dance

Friday 15th November 2024



IWMA Industry Lunch 2025

Date TBC

Welcome to our New IWMA Members



BCC Bangkok Cable

With six decades of sustainable growth, Bangkok Cable has established the reputation and success of being Thailand's leading manufacturer of electric wires and cables.

We are proud to be a wholly Thai-owned company, pioneering the way with continuous innovation to develop industry leading solutions that will deliver unrivaled value for our customers. BCC is proud to showcase the best of Thailand's engineering minds and expertise on the global stage. Since our company's founding in 1964, BCC has grown from strength to strength to best serve the demands of our customers. Integrated into our values is an unparalleled dedication to excellence with state-of-the-art manufacturing technologies, innovation throughout the manufacturing process and unrivaled product quality. The BCC brand symbolizes the best quality products in Thailand, superior customer service, competitive prices and achieves the highest trust from our customers and partners around the world. With the emergence of Thailand's 4.0 economy and the growing opportunities through the ASEAN economic community, BCC remains fully committed to invest, develop and create infrastructure resources that will become the center piece of the flow of electricity across the region, ultimately developing the region's economy to transform people's lives for the better.

www.bangkokcable.com



Cables & Solutions

Cables & Solutions was started in the course of 2023 by David Cavassa who has spent his entire career within the W&C industry ever since he started working for then Pirelli Cables (Prysmian) in the UK in 1999, then working with Geca-Tapes, PolyOne (Avient) and UL.

The company operates out of Lille in France and is active in Europe and beyond. As per its motto, "Connecting the Industry", its ambition is to provide companies with the strategic support, information, and connections they need to expand their footprint, grow their revenue, and improve their operations and profitability.

Cables & Solutions partners with leading and emerging companies in niche markets and delivers consulting services that cover business strategy, M&A due diligence, market intelligence, compliance management, as well as product and business development.

www.cablesandsolutions.com





For further information, to discuss your requirements, or to request an application form, scan here to email Jessica at jessica@iwma.org

Join the IMWA wire India Pavillion!

After the success of our pavilions at wire Southeast Asia, we invite you to exhibit with us as part of our group at wire India, scheduled to take place from 27th - 29th November 2024.

**€335.00/sqm with IWMA
premium stand & build package**
+ €335.00 one off IWMA management fee

Prices to include the following:

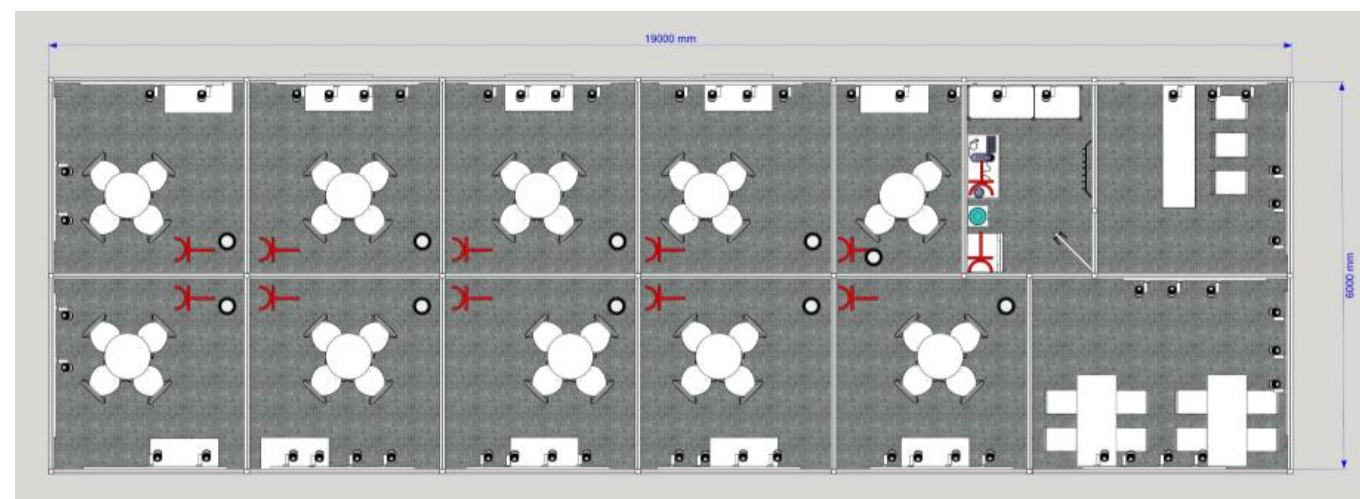
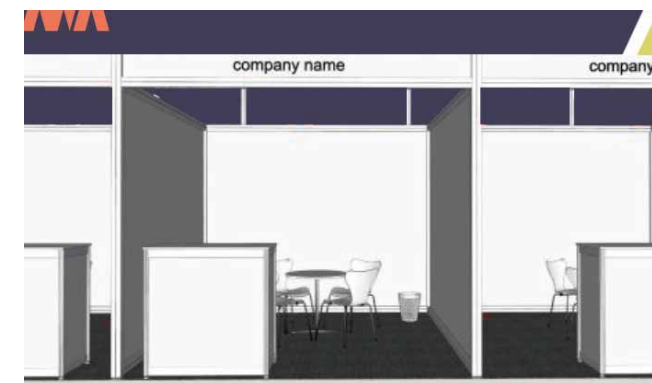
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Carpet: coloured grey, directly on floor | **Maxima Profile with laminated plywood wall panels** | Maxima system structure above stands, approx. 1200mm high | **Horizontal fascia board** | 300mm high including company lettering and stand number | **1pcs Round table with white top** | 4pcs Chair in black | **1pcs lockable counter (1m in height)** | 1pcs wastepaper bin | **4pcs spotlights** | 1pcs Socket 220V | **Wi-Fi for up to 4 users** | Complimentary IWMA Hospitality | **Use of IWMA Meeting Room** | Guaranteed presentation slot at IWMA Member Seminars

After significant interest, we're thrilled to introduce our pavilion at wire India for the first time.

Participating in the IWMA Pavilion at wire India, situated at the prime location of F32, offers unparalleled advantages. IWMA provides extensive support throughout the exhibition phases, ensuring a smooth and impactful experience for our members. Exhibitors will benefit from personalised hospitality services throughout the event and Wi-Fi to keep them connected and comfortable.

Moreover, a guaranteed spot in the IWMA member seminars offers an esteemed platform for showcasing expertise. Our dedicated stand builder is on hand to support you with the build package, and should you wish to further customise your stand, they can offer flexible solutions to enhance your presence. This strategic support aims to enhance your exhibition impact and solidify your industry position, promising a highly beneficial experience at wire India.



Celebrating Excellence:

10 Awardees Set to Embark on IWMA's 2024 wire Düsseldorf Education Award Journey



The 2022 wire Düsseldorf Education Awardee's at the end of their training programme on the IWMA stand

In a remarkable stride towards industry development IWMA are pleased to present the 2024 wire Düsseldorf Education Awardees – a distinguished group of ten individuals poised to make significant strides in the wire and cable industry through their exceptional talents and dedication to learning and growth.

This prestigious programme, an evolved version of the John C. Hogg Travel Award Scheme, promises enhanced learning experiences and benefits for all participants. The 2024 wire Düsseldorf Education Award attracted an unprecedented volume of applications, presenting a significant challenge in finalising our selection.

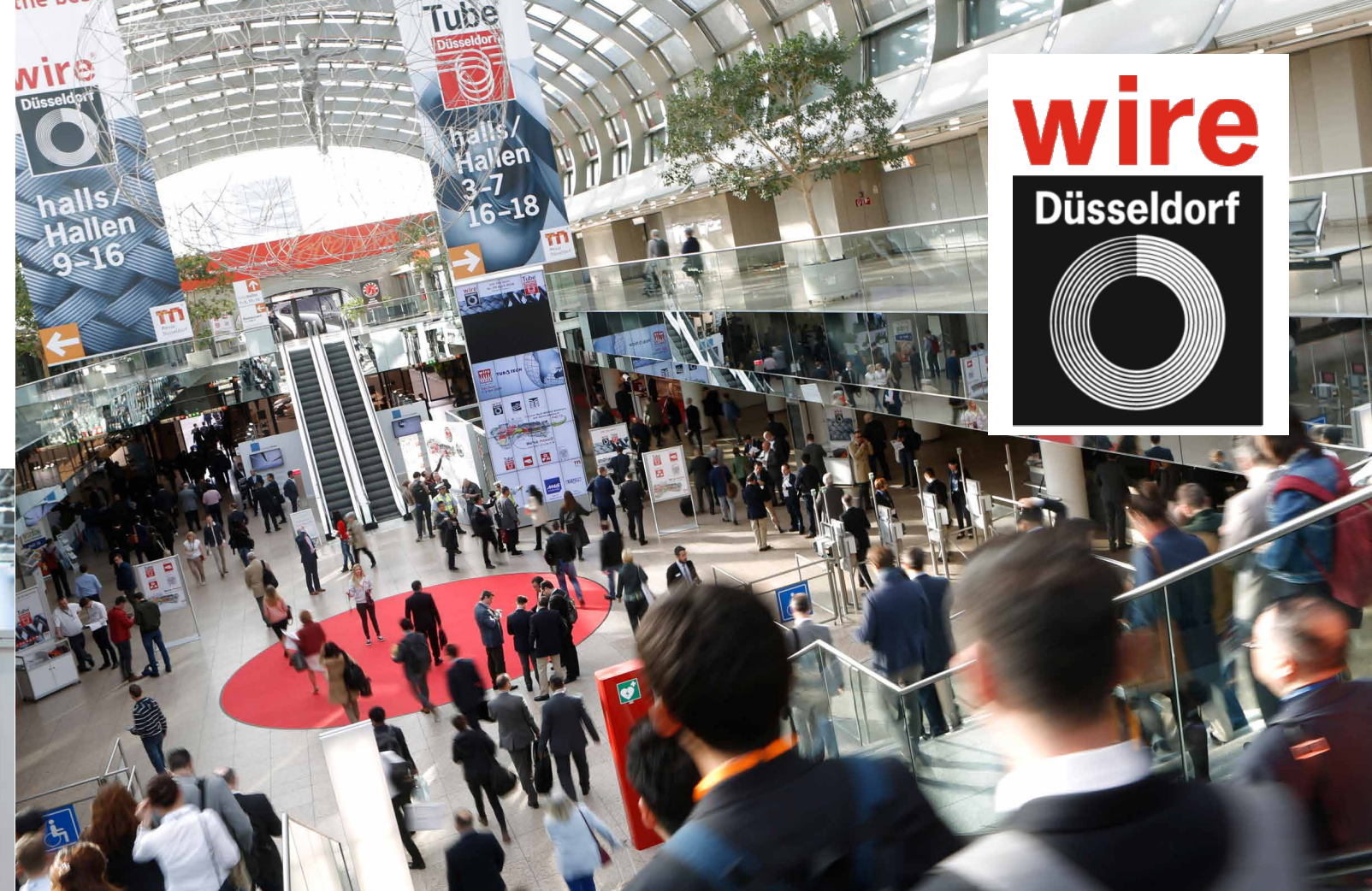
The chosen awardees are scheduled to kick off their immersive journey on Monday, April 15th, with a Meet & Greet Event at the Novotel Düsseldorf City West, where they will be accommodated for four nights. The programme will unfold with complimentary access to wire 2024 and a tailored three-day itinerary featuring the IWMA Training Fundamentals Programme, intricately woven into an exclusive tour of the show.

Geared towards newcomers in the industry and wire exhibitions, the programme provides an up-close encounter with the wire show. It also offers a unique opportunity to learn

from industry-leading experts and network at our exclusive IWMA wire networking event. Additionally, participants will enjoy a guided evening tour of Düsseldorf with food and drink, culminating in a presentation by IWMA and Messe Düsseldorf GmbH upon completion of the programme.

Demonstrating IWMA's commitment to nurturing talent and fostering industry connections, we look forward to witnessing the growth and development of these ten exceptional individuals. Follow their journey and stay tuned for updates on their enriching experiences and contributions to the wire and cable industry in the upcoming editions of our magazine! We look forward to welcoming the below awardees from member companies to Düsseldorf:

- **Jonathan Reeves**, AESA SA
- **Aaron Heath**, Bridon-Bekaert The Ropes Group
- **Ebony Maher**, Bridon-Bekaert The Ropes Group
- **Handre Linstrom**, Cape Gate Pty Ltd
- **Dominik Ippisch**, DLB Oberviechtach GmbH & Co. KG
- **Hardik Patel**, InnoVites B.V.
- **Syed Ammar Zaidi**, Pakistan Cables
- **Joshua Burley**, RichardsApex Australasia
- **Sharon Lu**, Shanghai KECHEN Wire & Cable Machinery Co., Ltd.
- **Sushant Surajkar**, Snehm Taping Solutions Private Limited



wire 2024

A Record-Breaking Global Innovation in Wire and Cable

This year wire and Tube will have a phenomenal 2,600 exhibitors across 119,000 sq m of halls – almost 1,500 of them, from 62 countries across 67,000 sq m of floor space, showing wire- and cable-related products and services.

This means wire 2024 has surpassed the excellent result of the previous-best 2018 exhibition, when 1,441 exhibitors from 53 countries occupied around 65,000 square metres.

The surge is partly down to production and sales getting fully back to normal post-Covid, and also to the massive upturn since 2020 in wire and cable for automotive and renewable-energy technologies.

Strong exhibitor growth has come from Turkey, Italy, Austria, Spain, Switzerland, Sweden and the Benelux countries, while exhibitors from India, South

Korea, Taiwan, China and the USA have boosted the international element.

"This is a great result, and a clear signal that wire Düsseldorf continues to be the international No 1 trade fair for wire and cable," said Friedrich-Georg Kehr, Global Portfolio Director for Metals and Flow Technologies, Messe Düsseldorf.

This year both wire and Tube will be part of Messe's "eco-metals" initiative, which highlights companies and processes heavily invested in green operations from the extraction of raw materials in the least damaging way, through energy-saving production to innovative ideas that will spur new, greener technologies. So far nine companies have joined the eco-metals drive and some will be heavily involved in the show through forums and conferences, for more information visit

www.wire-tradefair.com/en/Programme/ecoMetals

IWMA Members Exhibiting at wire Düsseldorf

Company	Booth
Hall 4	
Intras Ltd.	04 E44
Hall 5	
Zumbach Electronic AG	05 J12
Hall 6	
ENRX AS	06 C11
Messe Düsseldorf GmbH	06 G07
UPCAST OY	06 A01
Hall 9	
ABZ (SHANGHAI) SMART TECH. CO., LTD	09 A78
ALECOA Aleados del Cobre S.A.	09 A11
Assomac Machines Ltd.	09 A73
Aversion Technologies, Inc.	09 F25
Calmec Precision Limited	09 E20-1
Conoptica A.S.	09 C39
DSE Test Solutions A/S	09 E53
EJP Maschinen GmbH	09 A12
Fisk Alloy Inc.	09 E14-2
Gem Gravure Co. Inc.	09 E41
Gurfil Foil - Film - Tape & Machinery A.S.	09 A74
Häfner & Krullmann GmbH Kunststoff- Verarbeitungswerk	09 A25
Hans Schmidt & Co. GmbH	09 B22
Huestis Industrial Huestis Machine Corp.	09 E06-3
Inductotherm Heating & Welding Ltd.	09 A50
Meisenbach GmbH - Verlag	09 C03
Mikrotek Machines Ltd.	09 B66
Pentre Group Ltd. - Hearl Heaton	09 E25
Pressure Welding Machines (PWM) Ltd.	09 B41
REDIES s.r.l.	09 B17
REELEX Packaging Solutions, Inc.	09 F06-1
RichardsApex, Inc.	09 F06-4
Roblon A/S	09 E42
Rosendahl Nextrom GmbH	09 A60
SIKORA AG	09 A41
T. Fukase & Company. Ltd.	09 E36
UPCAST OY	09 C06
WCISA - Wire and Cable Industry Suppliers Association	09 D16-5
Wire & Cable Technology International	09 D16-5
Wire & Plastic Machinery Corp.	09 E20-3

Hall 10	
AESA S.A. AESA Cortailod	10 A38
August Strecker GmbH & Co. KG	10 A21
BALLOFFET S.A.S	10 A17
CONDAT Lubricants SAS	10 A56
CSM METALURJI IMALAT SAN VE MUHENDISLIK LTD. STI.	10 H41
DLB Oberviechtach GmbH & Co. KG	10 H60
EDER Engineering GmbH	10 C42-01
ER-BAKIR Elektrolitik Bakir Mamulleri A.S.	10 C59
KIESELSTEIN International GmbH	10 H18
KYOCERA Fineceramics Europe GmbH	10 B32
Maillefer Extrusion Oy	10 C22
Maschinenfabrik NIEHOFF GmbH & Co. KG	10 D22
Medek & Schörner GmbH	10 C52-01
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hairpin extrusion from A to Z



meet us in Düsseldorf

15 – 19 April, 2024
Hall 9 | booth A60



With the worldwide first industry-ready turnkey hairpin extrusion line, Rosendahl is introducing an insulation solution for the safe and efficient use of hairpins at 800V and above.

From pay-off to take-up, every line component has been carefully synchronized to meet the high demands of the rectangular hairpin wire:

- firm adhesion of the insulation layer
- superior electrical properties
- high chemical & mechanical resistance

ROSENDAHL NEXTROM. tailor-made in europe



rosendahlnextrom.com

AEI

With a commitment to sustainable practices and a keen eye on emerging technologies, AEI Machines is poised to shape the future of connectivity by manufacturing machines that produce quality products while implementing energy-efficient technologies.

The AEI Machines team looks forward to welcoming visitors from all over the world and showcasing new developments on AEI Stranders for high production flexibility, enhanced safety, reduced downtime, and minimum maintenance efforts.

Hall 11, D14

www.aeimachines.com

Alloy wire

Transatlantic deal puts Alloy Wire International in good shape for wire 2024

The UK's leading manufacturer of round, flat and profile wire is heading to wire 2024 off the back of one of its largest ever export orders.

Alloy Wire International (AWI), which is taking its 60-strong range of exotic alloys to Düsseldorf in April (15-19th), has just sealed a \$400,000 contract with a US springmaker to supply a high strength nickel cobalt alloy.

The DFARS compliant material will be used in an aerospace application that requires heat and corrosion resistance, with the company chosen for its world class quality and the ability to process the order in just a matter of weeks.

It is these two qualities, along with a sector-leading 400 tonne stockholding, that AWI will be pushing in Germany when it looks to increase its international sales even further.

Exhibiting on stand E26 in Hall 11, the company will be represented by staff from the UK and agents from Germany, Italy, and the US.

Tom Mander, Managing Director of Alloy Wire International, commented: "Wire 2024 is the biggest global show in our sector, so it is great news that we are heading there after winning such a sizeable export order.

"It illustrates how UK manufacturers can remain competitive through investment in the latest technology and a commitment to work with our customers to deliver exceptional technical advice and access to significant amounts of stock at short notice."

He continued: *"The US order really does typify what AWI is all about. We received the enquiry about two months*

ago, went back quickly with a quote, agreed the deal, and processed the large quantity and despatched it in a matter of weeks.

"wire 2024 gives us another opportunity to take our key selling points to a global audience and we've invested heavily in creating our biggest stand yet and a new timeline that charts some of the big moments in our 78-year history."

Alloy Wire International manufactures round, flat and profile wire in 60 exotic alloys, such as Inconel, Monel, Hastelloy, Nimonic and Waspaloy.

From its two factories in the West Midlands and Yorkshire, the company continues to be a critical supplier to the UK manufacturing sector whilst also growing its export business, which currently accounts for nearly 55% of its £17.9m sales.

This means AWI now supplies 6000 customers across 50 countries and 15 different market sectors and, despite global supply chain disruption, is still delivering material in just three weeks from the order being placed.

Tom went on to add: *"We're seeing growth across all industries, with automotive up 6%, aerospace 3% and a resurgent oil and gas marketplace (10%+). There are also big opportunities in space, medical and nuclear, as firms strive for material that delivers the performance they require in the end application."*

He concluded: *"The team can't wait to travel over to wire 2024 and meet up with colleagues, suppliers and customers in Düsseldorf, as we look to champion the power of UK manufacturing to the world."*

Hall 11, E26

www.alloywire.com or follow [@alloywire](https://twitter.com/alloywire) on twitter



August Strecker

As an internationally active family business, STRECKER has been working in a progressive and future-oriented manner with high quality awareness since 1933. STRECKER offers complete solutions for individual manufacturing processes in welding technology.

At this year's wire 2024, welding machines for different applications will be on display: electric butt welding machines for steel, copper, aluminum, brass, for solid wires or stranded wires and conductor cables. There will be fully hydraulic butt welders with automatic deburring and pneumatic welding machines for bulk wire products, as well as cold welding machines for non-ferrous wires.

The continuous optimisation of proven welding machines will also be addressed: the user-friendly version of electric strand butt welding machine type SE1, with handle for easy movement, cable holder and optional cover of the mimic to protect the mechanics and large collecting tray for smashed ceramics.

Customers can experience welding directly on the stand and, of course, discuss individual requirements for special, tailor-made machine constructions with the experts on site.



Hall 10, A21

www.streckerusa.com

BWE

BWE Ltd, a leading British engineering firm, specialises in continuous extrusion machines and cold pressure welders. Their Conform™ and Conklad™ technologies are renowned in the non-ferrous, cable, and tube industries. SheathEx™, developed in 2005, seamlessly sheathes high-voltage cables with aluminium, now available in both corrugated and smooth options. This cost-effective process ensures a continuous, weld-free aluminium sheath with excellent conductivity. BWE's innovations extend to Wire Arc Additive Manufacturing, 3D printing, Electric Vehicles, and Precious Metals. Headquartered in Ashford, Kent, they offer trials and demonstrations, showcasing their commitment to technological advancement. BWE also provides a range of cold welders and dies for efficient non-ferrous material welding.

Hall 10, E25

www.bwe.co.uk



Condat

Celebrating 170 years of lubrication excellence!

2024 marks a significant milestone for CONDAT as the company celebrates its 170th anniversary! Based on embodied values, such as its historical one 'Build to last', CONDAT has demonstrated its ability to adapt, innovate and reinvent itself over the decades, leveraging its extensive and steadfast expertise.

As evidence, CONDAT provides a comprehensive range of borax-free products, from surface treatments to wire drawing soaps! Pioneering interest in this area over 20 years ago, CONDAT has expanded its borax-free range with a focus on operator health and environmental sustainability. Similarly, CONDAT meticulously selects raw materials for its formulations, striving to minimize the use of CMR components and hazardous materials.

Renowned for its commitment to responsible performance, the French lubricant manufacturer continues to lead the way in offering products with minimal environmental impact without compromising on performance and productivity. Its lubricants are recognized as a world reference in the wire drawing industry.

While product quality and efficiency are paramount, CONDAT distinguishes itself with personalized advice on implementing lubrication solutions. Recognizing the unique needs of each wire drawing plant, CONDAT experts prioritize guiding partners towards optimal lubrication strategies.

Aligned with its ethos of responsible performance, CONDAT's objective is not to encourage excessive consumption but to assist wire producers in consuming less while consuming better! In connection with eco-use, the CONDAT team can conduct on-site assessments to reduce total wire drawing costs, minimize workshop dust, enhance productivity, and maximize the effectiveness of precoat's and wire drawing soaps.

Empowered to tackle technical, environmental, and societal challenges, while fostering innovation and sustainable practices, CONDAT has been awarded the PLATINUM medal for its Corporate Social Responsibility (CSR) by EcoVadis since 2021 and renewed in 2023. This result places CONDAT among the TOP 1% of the best rated companies in the world.

Rely on CONDAT lubricants, honed through 170 years of pioneering expertise in lubrication technology.

Visit our stand for professional advice and expertise

Hall 10, A56

www.condat-lubricants.com or
email info@condat.fr

DRT

DRT is pleased to welcome you to wire Düsseldorf from 15 to 19 April 2024.

DRT's staff will be happy to present to you some of our main products:

Automatic batch Pickling House fully equipped for wire rods | APH

Automatic Handling System for wire rods | AHS

Automatic Regenerating System of sulfuric acid | ARS

We look forward to seeing you.

Hall 11, C57

www.drtpianti.com

Eder Engineering

EDER Engineering presents cutting-edge machines for working with drawing die tools, optimizing die longevity, tonnage drawn, reconditioning accuracy, and operational costs. Featured models will include the ETC-1/HF for tungsten carbide die grinding (0.70 mm to 20 mm), the USP-TWIN for PCD die refurbishment, an ultrasonic model with dual workstations covering 0.05 mm to 8.0 mm sizes, the ETC-2 LS for sizing tungsten carbide dies (1.0 mm to 40 mm), and the larger "ETC-3 EL" for round TC dies (up to 70 mm bore size). Explore additional equipment for diamond/PCD dies, such as the ultrasonic USP-115 and the high-speed wire-type HGM-21 sizing/calibrating machine.

Hall 10 C42-01

www.eder-eng.com

Geilivable

Yichang Geili Diamond Industrial Co., Ltd, also known as GEILIVABLE, is renowned as a wire drawing dies factory with 400 employees and a 2024 capacity exceeding 4,000,000pcs. We offer PCD/ND/AD drawing dies, enamelling dies, and customized dies with a minimum hole size of 0.005mm.

With sales offices in Shanghai, Germany, and Japan you can contact us via email at sales@geilivable.com.cn or visit our website www.geilivable.com.cn for more information.

Hall 14, A04-2 & A04-3

www.geilivable.com.cn



Gurfil

Gurfil is committed to carbon neutrality and sustainability, continually enhancing practices since 2023 through its quarterly CBAM report. Operating in the cable market since 1981, Gurfil is a global supplier of Braiding and Taping machines, exporting 75% of its products to over 35 countries.

Specializing in Machinery, Foil-Film-Tape products, and Wire-Yarn groups, Gurfil offers high-speed machines, laminates, tapes, wires, and yarns.

Visit our stand to explore our showcase of innovative solutions and collaboration opportunities.

Visit www.gurfil.com for more information

Hall 9, A74

www.gurfil.com



Maillefer

Maillefer Unveils Cutting-Edge Innovations at wire – Get a Sneak Peek into Our Showcase

Get ready to witness a convergence of revolutionary technologies at the upcoming wire Düsseldorf show, where innovation meets excellence. Our live components showcase promises to be a game-changer by featuring a lineup that spans across diverse industry needs.

Live Components Highlights

Immerse into the future of precision with our advanced Topography Scanner 2.0, where cutting-edge technology meets unparalleled accuracy. Explore the possibilities of seamless topography scanning. Get up close to high-resolution surface scanning that redefines industry norms.

You'll elevate your operation levels with the ECH 35/45 Cleaning & Handling System. It sets new standards for efficiency and performance. Experience the precision of automated die centering with the ECH 35/45 Automatic Crosshead Centering. It helps you gain the upper hand in streamlining processes. The power of the THC 50/90 Crosshead is ready to be unleashed with unparalleled efficiency in cable manufacturing.

Delve into the future with the fiber optics FTU/FPO Take-up & Pay-off technology. The components are designed to meet the evolving production demands generated by high-speed data transmission. Experience a seamless connection with innovative design.

The next-generation Drop Cable TM1250 takes cable technology to new heights by offering a perfect blend of durability and performance. Stay ahead in the competitive landscape with this cutting-edge solution. Because throughput matters, our NXW 225 Extruder is there for you to explore the future of extrusion technology. The sizeable machine sets standards for precision and output in cable manufacturing.

From our aftermarket offerings, start discovering reliability like never before with our most recent Nomos Process Supervisor Unit. The PSU is a testament of our commitment towards uninterrupted operations. You will also experience an upgrade of enhanced efficiency with our automatic take-ups, featuring a revolutionary EKP 50/63 card rack replacement for extended lifetime and functionality.

Maillefer Factory System lets you witness the seamless integration of technologies designed to optimize production processes and enhance overall efficiency.

Get a Glimpse

Join us at this key industry event and gain insight into tomorrow's technology. You'll have an exclusive opportunity to participate in an experience that transforms. The Maillefer showcase reveals our dedication to pushing forth the boundaries of innovation.

The technology highlighted is tightly coupled with our transition to green energy sources and manufacturing best practices. Attending the wire show means participating in the needed changes for our industry while taking a competitive step ahead to realize those changes.

Be prepared to glimpse the future and witness the changes unfolding before you. Count on being with us at wire Düsseldorf this spring. We're counting on you.

Hall 10, C22

www.maillefer.net





Mathiasen Machinery

Serving the domestic and international Ferrous and Non-ferrous wire machinery markets for more than 40 years, Mathiasen Machinery are pleased to announce that they will be displaying photos of a wide variety of new and secondhand wire and cable manufacturing machinery at the forthcoming wire Düsseldorf show for 2024.

NEW machinery is offered on behalf of WiCa GmbH in Austria, makers of twisting and extruding equipment and Pratto S.A. in Greece, makers of Mesh Welding Machinery.

MMI buys and sells secondhand machines globally, offering services for surplus machinery, including consignments, warehousing, rebuilding, appraisals, and liquidation. Bring your machinery list and photos for evaluation.

Contacts: Mike Mathiasen, Mark Mathiasen

Hall 12, C59

www.mathiasen-machinery.com

Metalube

METALUBE to Showcase Cutting-Edge Lubricants and Global Support at wire Düsseldorf 2024

METALUBE, a leading UK-based manufacturer of specialist industrial lubricants, is thrilled to announce its participation in wire Düsseldorf 2024, a premier international trade fair for the wire and cable industry. With over 30 years of experience, METALUBE has been at the forefront of delivering high-performance lubricants that optimise production on the latest wire drawing machinery.

Commercial Director Douglas Hunt says: *"We are excited to return to Düsseldorf in April, our focus for 2024 is not just about our first-class products but on our range of expertise including our commitment to technical service which underscores our dedication to providing innovative solutions and expertise to enhance wire drawing processes."* He adds: *"METALUBE's comprehensive after-sales support is something we're proud of and ensures that customers receive ongoing assistance, contributing to the longevity and efficiency of their operations and equipment. Our presence in over 100 countries, ensures seamless access to our high-quality lubricants on a global scale and our commitment to local availability means that customers can access our products promptly, no matter where they are located."*

METALUBE, headquartered in the UK, has expanded its reach to over 100 countries worldwide, with offices strategically located in Manchester, Dubai, Mumbai, São Paulo, and Shanghai. The company boasts a fully integrated lubricant manufacturing facility in Irlam, Manchester, equipped with state-of-the-art laboratories.

The core of METALUBE's business revolves around the production of lubricants for drawing non-ferrous wire and tubes. Key products such as Lubricool, Alumol, and Tubol remain integral to the company's portfolio. Recent additions, including the OCG range of protective greases for overhead line conductors, as well as metal forming fluids, wire rope lubricants, and chain oils, further demonstrate METALUBE's commitment to innovation.

wire Düsseldorf attendees are invited to visit METALUBE at Hall 11, Stand B25 to explore the full range of products and discuss individual requirements with METALUBE's expert team.

Hall 11, B25

www.metalube.co.uk

Niehoff

Maschinenfabrik Niehoff will present the new next-generation rod breakdown (RBD) line type MSM 88 – R 502.H for copper and aluminum wires. The line is characterized by a high performance combined with enormous savings in energy costs and CO2 emissions. Furthermore, there will be live demonstrations of a braiding machine type BMV 16, a new automatic rewinder for braiding bobbins type SMB, and an SV 403 D type double spooler of the cable handling system NPS (Niehoff Package System) which enables production speeds of up to 2400 m/min.

The Niehoff after-sales service will be presenting its wide range of spare parts with the "Niehoff Original+" label, contributing to further increase the efficiency of Niehoff systems in the long term. Other service offers include the modernization of earlier Niehoff machines and machine relocations. Visitors to the Niehoff booth will also learn how to best benefit from the new digital service platform myNIEHOFF.

Complete solutions from a single source

With more than 70 years of experience in the wire and cable industry, Maschinenfabrik Niehoff develops and manufactures machinery required for the production of non-ferrous wires and their downstream processing into automotive, power, data and special cables – the only exception are extruders. Niehoff is member of the "Blue Competence" sustainability initiative of the German Engineering Federation VDMA and with regard to its corporate social responsibility (CSR) cooperates with the international platform for sustainability ratings EcoVadis.

Niehoff Group has a workforce of over 1100 worldwide and is comprised of its headquarters, manufacturing subsidiaries in Brazil, the US, the Czech Republic, India, China, and Sweden along with sales and service centers in Japan and Singapore.

Hall 10, D22

www.niehoff-gmbh.info



PWM

PWM to launch new cold welder for trapezoidal wire at wire 2024

British company PWM, which celebrates 40 years of service to the wire and cable industry in 2024, will launch a new cold-welding machine for trapezoidal wire at wire 2024. The company's full range of products, including the P1500 cold welder for rod up to 30mm will be on show.

The new TR45 cold welder is designed specifically for non-ferrous trapezoidal wire used in the build-up of sub-sea cables. The machine has a small footprint of 750 x 610mm (29" x 24") and is mobile, so can be moved easily to the work area. Powered by an advanced air/hydraulic system, the TR45 will weld trapezoidal material up to 45mm².

PWM's P1500 machine offers wire and cable manufacturers a quick and cost-effective way to weld large nonferrous rod. The machine is extremely energy efficient since it is driven by three hydraulic pumps and only requires electrical power for the 11Kw pump motor. Clean, quiet, and user-friendly, the P1500 produces reliable permanent welds stronger than

the parent material, helping manufacturers reduce operating costs, save resources and minimise waste.

The smaller best-selling EP500 pneumatic cold welder for rod 5mm to 15mm (.197" to .590") is equally energy efficient. It can be connected to a central air supply or a dedicated compressor and only needs electrical power for the operating system.

The full PWM range includes small, lightweight hand-held manual machines for fine wire up to 1.20mm (.047"); manual and powered models that can be used on a workbench or supplied with a trolley for wire 0.30mm to 6.50mm (.0118" to .256") and large, freestanding rod welders for material up to 30mm (1.181").

PWM's products are designed and made in-house and tested throughout manufacture to ensure total accuracy. PWM manufactures industry standard dies and can produce custom-made dies for specific applications.

Hall 9, B41

www.coldpressurewelding.com

Reelex

REELEX to Debut New Multi-Package Machine at wire 2024

REELEX Packaging Solutions, Inc. will be debuting the new S320e multi-product combination spooler/REELEX machine in Düsseldorf at wire 2024.

Exhibiting in hall 9, booth F06-1, REELEX will demonstrate the new S320e rewinder featuring the capability to wind spools, REELEX® coils and other linear winding patterns on one safe, easy-to-use machine. The S320e represents the latest in REELEX's new equipment and coiling technologies and allows the user to make reels, spools, REELEX or linear coils all on one machine via a programmable variable traverse. Bolt-on custom shafts accommodate a variety of spool sizes, and quick-change mandrels allow a wide variety of cable sizes to be wound in REELEX. Featuring an ISO standard safety design, physical safety cage, interlocks, safety PLC and Category 4 devices, the S320e can be used safely by experienced and novice operators alike in distribution or manufacturing operations. Whether used as an entry-level REELEX machine or a multipurpose winder, the S320e offers exceptional capabilities to manufacturers and distributors big and small. The S320e

is affordably priced at less than US\$100,000, with leasing options available. For more information, please visit: www.REELEX.com/machines/s320e.

REELEX will also exhibit physical examples of a variety of reel-less packaging technology available to cable manufacturers, including the REELEX AIR® package offering a slimmer profile, greater payout performance, a more environmentally friendly waste profile and lower material costs than current REELEX and other packaging options. REELEX AIR enables cable producers to put more product on a pallet while reducing waste and eliminating bulky and costly spools and reels.

REELEX is a patented method of winding any flexible filamentary material into a precision-wound figure-eight coil. This unique coil dispenses from the inside-out without twists, tangles, snags or overruns and may be placed into a wide range of containers from cardboard boxes to shrink film to environmentally sustainable packaging.

For all inquiries, please contact Timothy Copp at timcopp@reelex.com or sales@reelex.com.

Hall 9, F06-1

www.reelex.com



rautomead®

Rautomead will be introducing its new RIC 400 model, break-ring, continuous casting technology which has been developed to process cobalt alloy, nickel alloy and iron alloy wire rods from 2.5mm to 50mm diameter.

Rautomead will be presenting its RS range of graphite furnace continuous casting machines for the manufacture of extra-low oxygen content CuOF rod and for production of high-quality conductor alloy rods such as CuMg, CuSn and CuAg for signal data transmission wires and for railway contact & catenary wire applications. The patented pulse motion control offers users the ability to alter and adjust the casting sequence and speed according to the alloy and rod diameter being produced. Optimal settings may be stored in the PLC memory to ensure consistent production parameters from cast to cast.

Rautomead will also be promoting its (patented) RSL sealed lid continuous casting technology, designed for processing progressive alloy rods such as copper chrome zirconium for subsequent manufacture of welding tips and small diameter

drawn wires. This fully enclosed furnace features multiple, independently controlled, feed mechanisms which deliver cored wire and CuOF rod to the furnace to match the melting casting output rate whilst maintaining precise alloy composition.

Sample coils for any of the above materials can be manufactured to order and produced on continuous casting equipment installed at the Rautomead facility in Dundee, U.K.

For more information or to arrange an appointment for a meeting on the Rautomead stand during the exhibition, contact Jan Barclay at jan.barclay@rautomead.com.

Hall 10, F54

www.rautomead.com

Rosendahl Nextrom

Rosendahl Nextrom challenges conventional cable and wire production methods with their latest advancements in manufacturing technology. At the upcoming wire trade show, they will showcase a strong portfolio of new and improved solutions for the market.

Explore innovative extrusion technology and sustainable manufacturing solutions with interactive exhibits and experience a touch of magic at our stand.

Hall 9, A60
www.rosendahlnextrom.com



Setic

SETIC, a leader in special data communication and network cable machines, and a global solution provider for automotive wire equipment, will be at Hall 10, stand F59 at wire Düsseldorf.

The revolution in EV automobiles has led SETIC to develop new high-speed double-twist bunchers, single-twist take-up with back-twist pay-off, and strander solutions for charging battery and data cables. Its one-step and two-step processes also offer solutions for 5G, IIOT and robot devices, and strong growth in the global network cabling market.

Setic's large double-twist range has been expanded to 2,600mm to produce 400mm-500mm aluminium wires for low and medium voltage cables, compacting up to 61 wires and offering both a productivity boost and a reduction in operating costs. The range is versatile enough to allow tailor-made solutions and new concepts for everything from special high-speed lines for battery cables to new high-speed lines for special control and instrumentation cables.

The company's developments offer strong social responsibility and a lower carbon footprint through improved organisation, methods and machines. Setic's Düsseldorf presentation will offer solutions for Industry 4.0, featuring a complete high speed 630mm pairing line/quadding line composed of a modernised-design, single-bow back-twist pay-off, and double-twist machine for data, automotive and LAN cables.



Also on show will be a 1000 mm high speed single-twist assembling machine (AST1000R) illustrating solutions versatility (covering LAN, control, instrumentation, data, EV charging and battery cables) and flexibility (laying-up, stranding, wire-armouring process).

Website: www.setic-pourtier.com

Pourtier will exhibit as part of the SETIC stand (Hall 10,F59) showing the ways it can connect customers to all energy sources.

The company specialises in heavy-duty rotating machines (rigid and planetary stranders, single-twist cablers, drum twisters) that produce all types of power cables – from overhead and low-power cables to high voltage, EHV and submarine cables.

Demand for clean energy, including improved infrastructures, has been on the rise in recent years, resulting in new market challenges. Pourtier has advanced solutions to meet demands for sustainable clean energy.

Recognised around the world for its engineering prowess, Pourtier produces heavy-duty stranders, cablers, screening and armouring lines. Its high-efficiency, revolutionary multi-wire concentric stranding line is also widely used to boost productivity for low- and medium-energy cables, and all types of high-voltage and extra-high-voltage power cables.

Pourtier continues to expand its wide range of machines, with rigid stranders handling up to 156 wires, a pulling capstan of up to 80 tonnes and XL drum twisters up to 55 tonnes.

Like sister company Setic, Portier's engineering conforms to the latest objectives for social responsibility and decarbonisation. Products Showcase: Digital immersion in a world of bigger DC cables (rigid stranders 127/156/171 wires, up to 5000mm²) and longer AC cables (opened cradle drum twister 55T) www.setic-pourtier.com

C2S customer services department, which will exhibit as part of the Setic stand (10, F59) is the ideal partner to maintain machine productivity and enhance product quality.

The company believes upgrades are a more sustainable approach to maintenance, extending the life of existing equipment and reducing environmental impact by minimising the need for replacements.

The C2S services division can boost the efficiency of most wire and cable production lines and improve productivity and product quality, whatever the equipment's brand. The company is regularly engaged to replace parts and complete upgrade and maintenance projects, as well as the transfer and recommissioning of complete production lines. C2S is also involved in smart factories and Industry 4.0 processes.

Bow Technology is at wire Düsseldorf on the Setic stand (10, F59), and sells customised bows for all sizes and brands of double-twist equipment.

Bow Technology is the answer for cable makers keen to buy high quality and long-lived, reliable bows for all brands of double twist machines, from 560mm-2000mm. With a comprehensive range of over 650 sizes and designs, the division offers global service from conception to production. The patented GreenBow2 is a closed-bow model, ensuring energy savings of up to 30 per cent on high-speed, double-twist bunchers of 560mm-800mm.

Hall 10, F59
www.setic-pourtier.com



Sikora

Several Innovations at wire 2024



SIKORA, manufacturer of innovative measuring, control and sorting technologies, will present the entire range of current, improved and new products for quality control and cost optimization in cable production at wire 2024 in Düsseldorf from April 15 to 19. Visitors can look forward to three world premieres.

“Moving forward”: World premiere of new products (IMAGE 1)

At wire 2024, SIKORA will unveil three innovative measuring devices that redefine the segment of measuring technology for cable production lines. The accompanying marketing campaign “Moving forward” underlines SIKORA’s commitment to offering its customers future-oriented solutions. The campaign presents the three new systems as a promise of further development and as a statement for progress. “With the new products, we are bringing movement to measuring technology. Our customers can look forward to reliable, future-oriented products that continue to lead the way with their performance and make a significant contribution to increasing productivity and cost efficiency in production,” says Katja Giersch, Head of Corporate Communications at SIKORA. Visitors can familiarize themselves with the advantages of the systems live at the exhibition stand.



X-RAY 8000 ADVANCED/NXT: Remarkably efficient in CV lines (IMAGE 2)

In the field of power cable production, the X-RAY 8000 has been providing precise measurements and maximum reliability for over 30 years. These are features that ensure the quality of cables during production and lead to material and cost savings. At wire, SIKORA presents the 3rd generation measuring system based on X-ray technology, X-RAY 8000 ADVANCED, which measures the wall thickness, eccentricity and diameter of cables in CV lines directly after the crosshead. It therefore provides measuring values for centering and control without delay.

Another highlight is the X-RAY 8700 NXT, which measures the final product dimensions at the end of CV lines, both horizontally and vertically. By using SIKORA measuring systems, both at the beginning and at the end of production, shrinkage values are determined for all three insulation layers of the cable. This ensures optimum process control for maximum efficiency.



PURITY SCANNER ADVANCED: Pure plastic pellets for the insulation of power cables

Particularly in the production of high-voltage and submarine cables, it is essential that contamination, which can occur during production, does not enter the insulation of power cables. The PURITY SCANNER ADVANCED uses X-ray technology and optical cameras to detect contaminants such as metal down to 50 µm in the pellet and automatically sorts out impurities. This ensures that only pure material is processed further, minimizing breakdowns, ensuring the quality of the cable and preventing follow-up costs. The function and benefits of the system will be clearly demonstrated at wire using a hybrid exhibit.

X-RAY 6000 PRO: Fascinating in insulating and sheathing lines thanks to cost savings (IMAGE 3)

With the X-RAY 6000 PRO, SIKORA introduces another member of the X-ray system family. This system continuously provides measuring data on wall thickness, eccentricity and diameter in insulating and sheathing lines. These are clearly displayed on the monitor of the ECOCONTROL 6000 processor system. The X-RAY 6000 PRO can be used either after the extruder, between two cooling sections or at the end of the line for cold measurement. From the first day of commissioning, the system enables the wall thickness to be reduced to the smallest permissible value. This results in significant material and cost savings for the user.



FIBER Series 6000: Distinctive measuring rate for optimum tension measurement (IMAGE 4)

SIKORA’s gauge head models of the FIBER Series 6000 promise the highest performance and fiber quality. From the measurement of diameter, fiber position, vibration frequency, temperature and spinning to the detection of airlines and lumps, the innovative measuring devices monitor and control the entire drawing process. The improved measuring rate of the FIBER TENSION 6003 of up to 50 kHz enables optimum tension measurement. This makes the measuring head particularly suitable for optical fibers that are further processed into premium optical fibers. Visitors to wire will be able to see the performance of the measuring heads live in the drawing tower.

Service To Perfection: For reliability and availability of SIKORA systems

When it comes to the reliability and availability of SIKORA systems in the production line, the SIKORA service team in Bremen and worldwide subsidiaries are always there for their customers. At wire, SIKORA presents the entirety of its service portfolio. From the installation and commissioning of the devices to consulting and training, always tailored to individual customer requirements.

“Moving forward Lounge”: Conversations with culinary delights

In addition to the SIKORA products on the first floor, visitors will find space for discussions with the SIKORA experts in the “Moving forward Lounge” on the booth’s 2nd level. Visitors can look forward to freshly prepared culinary delicacies and a selection of refreshing beverages and coffee specialties in a relaxed atmosphere. An impressive view of the SIKORA technologies rounds off the stay in the lounge.

Hall 9, B41
www.sikora.net

SAWA

The South African Wire Association looks forward to wire 2024.

SAWA (South African Wire Association) is looking forward to participating in and representing our members at wire 2024 in April.

SAWA has been a regular exhibitor at the prestigious wire exhibitions.

South African wire manufacturers are reputed suppliers of innovative, quality products at competitive prices with many years of international trading experience.

Our products include wires of different grades and qualities servicing agriculture, automotive, security, mining, and manufacturing industries.

Established in 2002, SAWA is specifically tasked to assist members to participate in global markets by creating an awareness of the importance and benefits of this export economic sector for our industry.

Our membership base includes large, medium, and small manufacturers who can accommodate specific client requirements crafted from South African materials. The South African Department of Trade and Industry (DTIC) is an active partner with SAWA for export promotion.

Visitors and clients are invited to meet us at Hall 11, D32 at the wire & Tube Exhibition.

Hall 11, D32
www.sawa.co.za

Loypos and Smeets

Once again LOYPOS and SMEETS will be joining hands at wire Düsseldorf.

LOYPOS is the leading manufacturer of semiconductive and non-conductive woven tapes for HV & EHV cables and submarine cables.

SMEETS is the exclusive global distributor for LOYPOS tapes since more than 20 years.

LOYPOS-SMEETS' products are used in every type of cables in more than 50 countries on 5 continents and include, among other things:

Tapes: semi-conductive and non-conductive woven, nonwoven, waterblocking (incl. sea water), bitumen, mica, glass, and other special applications

- FRP and yarns (waterblocking, glass, aramid, PP, paper)
- Films: PET, PP, PP foam, Al/PET...
- Accessories and components: thermo and cold shrink products, drum protection, mastic tapes

LOYPOS and SMEETS are constantly working with their customers to deliver quality products and world-class technical advice and service.

Our dedicated team combines a large international experience in the Wire and Cables industry with a global presence to support customers worldwide.

Hall 10, B46
www.loypos.com www.smeets1921.com

Troester

The TROESTER Group is a worldwide leading manufacturer of complete extrusion systems and compounding solutions for the cable industry. The excellent results produced by its technology makes TROESTER a competent and reliable partner in the cable industry.

TROESTER will present its state-of-the-art extrusion equipment for the production of Low, Medium, High and Extra High Voltage Cables, this comprises CCV and VCV Lines for Underground and Submarine Cables, Insulation and Sheathing Lines as well as single machines and components for efficient cable production.

X-Compound, will present their kneader technology for the continuous compounding of HFFR (LSOH), PVC, XLPE, Semiconductive Materials and EPDM. X-Compound specialises in the planning and construction of complete systems for the compounding of plastics with the process steps conveying, melting, dispersing, mixing and degassing.

The team of specialists from TROESTER and X-Compound looks forward to meeting you at hall 10, F60 and will be happy to discuss your specific requirements with you.

Hall 10, F60
www.troester.de



Tecnovo & Koner

TECNOVO and KONER, manufacturing companies of the TKT group and leaders in the respective sectors of lubricants and drawing dies would like to inform customers and operators that they will participate with their booth at wire 2024 in Düsseldorf from 15th to 19th of April 2024.

In recent years TKT group has consolidated and expanded its position in the market, and carried out important research and development programs, by investing in new machinery and technologies as well as expansion of TKT products portfolio, to offer its customers increasingly innovative, integrated and synergistic solutions.

Hall 11, A56
www.koner.cn



Wire and Plastic

As the largest reseller of high-quality secondhand wire, cable, and optical fiber manufacturing equipment, Wire & Plastic Machinery has a vast selection of in-stock machinery. Machines offered as individual components through to complete lines and can be delivered immediately from 8 USA locations or completely reconditioned by an in-house engineering team.

Wire & Plastic Machinery has a comprehensive range of over 30,000 machines in stock located in over 3 million square feet of warehouse space for all aspects of non-ferrous wire and cable production.

During wire Düsseldorf 2024, Wire & Plastic Machinery will be showcasing pictures, video, and an interactive presentation of its inventory offering within a 72 square meter area.

Beverages and snacks will be available within the expanded lounge area and an enclosed meeting room will be available for detailed private project discussions. Booth visitors will have access to web-enabled stations for a live product search with detailed specifications and pictures.

Experienced personnel will be available to assist in selecting the most suitable equipment for your application and process.

Hall 9, E20-3
www.wireandplastic.com

IWMA[®]

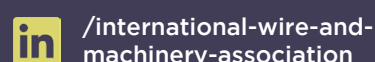
2024-25 Exhibition Dates



IWMA is a proud wire industry partner of
international trade fair organiser Messe Düsseldorf GmbH
supporting the following exhibitions.



Find us online:



IWMA WIRE NETWORKING DÜSSELDORF

Exclusive **member only** events

**Tuesday 16th April &
Wednesday 17th April**
18:00-21:00

Unveiling the IWMA Exhibition Stand at wire Düsseldorf A Hub of Connectivity and Resources

We are thrilled to announce our participation at the upcoming wire Düsseldorf exhibition this April. Positioned strategically in Hall 11 stand D22, the IWMA stand is gearing up to be a central hub for our members and guests, offering a wealth of resources and networking opportunities tailored to enrich your exhibition experience.

Understanding the dynamic needs of our members, the IWMA stand will feature comprehensive on-site hospitality services, including secure bag storage facilities and high-speed Wi-Fi connectivity. To facilitate meaningful interactions and discussions, the stand will also offer bookable meeting tables and a cosy lounge area. Networking is at the heart of IWMA's mission, and we're excited to provide ample opportunities for members to connect with industry peers, whether it's over a light lunch available daily from 12:30 to 13:30, while catching up on emails with a refreshing hot or cold beverage, or during a casual chat in our lounge area with business colleagues and associates.

In addition to these amenities, the IWMA Insider magazine, alongside other key printed materials such as the membership directory and benefits booklets, will be readily available at the stand. These resources are designed to keep you informed about our array of upcoming events, exhibitions, and the myriad benefits of being part of the IWMA community.

We will also be hosting two exclusive member only evening networking events, designed to foster connections in a relaxed setting. These events are bookable through the IWMA website and will be hosted on the IWMA stand from 6-9pm on Tuesday 16th and Wednesday 17th April, offering an ideal platform for deepening business relationships and creating new ones. As a proud industry partner to Messe Düsseldorf GmbH, the wire Düsseldorf exhibition, and its satellite exhibitions, the IWMA stand is committed to enhancing the industry's growth and connectivity. Join us at wire Düsseldorf to explore the latest industry trends, innovations, and opportunities for collaboration. Let's connect, learn, and grow together in the spirit of advancement of the wire and cable industry and mutual success.



EXCLUSIVE

Advertising opportunities for members only in 2024,
with prices starting from as little as £200!

ADVERT SIZE	1 ADVERT	2 ADVERTS	3 ADVERTS	4 ADVERTS
BACK PAGE / INSIDE FRONT FULL PAGE AD	£1,500	N/A	N/A	N/A
FULL PAGE AD (INSIDE PAGES)	£1,200	£2,200	£3,200	£4,000
HALF PAGE AD (LANDSCAPE)	£750	£1,350	£1,950	£2,250
BUSINESS CARD	£200	£350	£450	£600

We are now offering exclusive advertising slots in our quarterly IWMA Insider magazine! Advertising space is limited in each edition and will be allocated on a first come, first served basis.

The benefits of magazine advertising are huge, and we wanted to offer our members an even greater opportunity to hit their target market and get noticed in our industry magazine. We're pleased to be able to offer FREE editorial slots for all members, as well as the above advertising opportunities.

SUBMISSION DEADLINES
for 2024/25 magazine content

June Edition 2024
PR/ Editorial: 3rd April
Advertisements: 24th April

September Edition 2024
PR/ Editorial: 3rd July
Advertisements: 17th July

December Edition 2024
PR/ Editorial: 4th October
Advertisements: 18th October

March Edition 2025
PR/Editorial: 17th January
Advertisements: 31st January

For more information,
please contact Katie at katie@iwma.org

CRU Wire and Cable:

Top 10 Calls for 2024 from CRU



Aisling Hubert
Wire and Cable
Senior Analyst

CRU's metallic Wire and Cable service offers unrivalled independent market analysis on the supply and demand of copper and aluminium cables. The service also offers key insights into the requirements of the global construction industry, manufacturing as well as power generation, transmission, and distribution.

In this Insight, CRU takes a step back to review the key cable market developments of 2023. We also form our outlook for 2024 and identify the key trends which we anticipate will steer the market over the coming year.

2023 in review: Poor low voltage energy cable demand as construction struggled with high interest rates

High interest rates to combat high inflation were a defining aspect of 2023. The subsequent higher borrowing rates hindered construction investment and, thus demand, for residential property, suppressing low voltage cable demand. Generally, non-residential and infrastructure projects fared better as government spend propped up demand. Additionally, infrastructure became the major lever of growth which was employed by China to support the struggling economy. Overall, power cable demand continued to remain resilient as these infrastructure and utility investments in green technologies continued despite wider slowdowns.

Over 2023, we saw greater levels of protectionism develop as nations responded to the supply chain weaknesses which were exposed during the Covid-19 pandemic. The US's Inflation Reduction Act, the CHIPS and Science Act as well as the Infrastructure Investment and Jobs Act stipulated conditions which support domestic manufacturing. This paved the way for Europe's response which was to launch its own Net-Zero Industry Act which

aims to ensure that the region remains competitive in future clean technology manufacturing. Overall, domestic manufacturing of future-critical technologies has emerged as a key political focus.

Review of selected calls from 2023: Forecast versus reality

China cable demand rebound from Q2:

Though China's demand did largely return, several areas of weakness were exposed – not least the highly leveraged property sector. Lower construction demand has been entirely compensated for by government investment via state-owned enterprises, though there are questions about the sustainability of this approach.

Sustained high Cu price as underfunding of supply bites:

Copper finished 2023 at \$8,608/t, slightly up compared to the \$8,375/t which it started 2023. Despite uncertainties, the opening of the Chinese economy and some supply disruptions – including cessation of copper supply from First Quantum's Cobre Panama – lifted the price. European demand also appears to have reached a lower bound.

Offshore wind installations to surpass targets:

High interest rates have created a challenging financial environment which has impacted some investors in offshore wind projects. Several projects on the US East Coast are currently under renegotiation and will likely be delayed due to challenging financials. Installations in China progress expeditiously.

CRU Wire and Cable Top 10 calls for 2024

CRU's Top Ten Calls for 2024 are outlined on the next page.

These topics will be covered in detail throughout the year in our Wire and Cable Market Outlook service.



The submarine cable space becomes increasingly globalised

Despite wider trade tensions, the consolidation in the submarine cable supply chain necessitates greater levels of global cooperation to reach targets.



Consolidation to take place as smaller cable producers struggle

Cable producers reliant on low voltage cable production struggled in 2023. Demand will remain low in 2024 on a slow construction sector leaving opportunities for M&A activity.



Grid enhancing technologies required by law

In the US, FERC plans to outline requirements for holistic grid modelling, including the use of grid enhancing technologies. This may be seen elsewhere as a cost-effective alternative to new power lines.



EVs to emerge as a key political talking point

China's BYD overtook Tesla EV sales in 2023 Q4 while the EU began an anti-subsidy probe into Chinese EVs. The US's tariffs are already punitive to Chinese auto imports though these may be redoubled.



AI uptake drives datacentre demand for copper data cables

Copper twisted pair cables with shielding are required for 'server-to-switch' applications in datacentres. Demand for digital infrastructure is set to grow rapidly in 2024.



The US Fed and ECB to begin rate cutting from 2024 Q2

CRU's Economics team believes interest rates will fall in Europe (March-April) and the US (May-June) as inflation reaches target levels. This will boost construction demand for low voltage cables.



Trade will continue to slow

Shipping challenges in the Red Sea and supportive policy for domestic manufacturing will reduce demand for cable imports.



China will continue to support the economy via state-owned enterprises (SOE's)

66% of China's GDP is held in SOEs crucial tools for stabilising the economy and driving the green energy transition. This is likely to remain the case.



India will sustain booming demand through the election period

India's National Infrastructure Pipeline has plans to invest over \$200 bn annually. Major tech companies are also opening manufacturing capacity, including Apple and potentially Tesla.



Commercial viability of renewables may precipitate delays

In the US, major projects Ocean Wind 1 & 2 have been abandoned while Ørsted's wider portfolio of projects are currently under review. Several other major projects are under review.

Digital Demons...

How Negative Digital Culture Impacts the Workplace



Digital solutions form the basis of how most organisations operate. They are seen as something that fosters productivity and performance, and that should propel organisational success.

But, what if the opposite is true? What if the digital solutions used within an organisation are actually leading to overwhelm, burnout, reducing productivity and performance, and negatively impacting the wellbeing of your employees?

What Is A Negative Digital Culture?

A negative digital culture exists when the digital solutions used within organisations impact employees' productivity, performance, and wellbeing.

A culture can become negative for a number of reasons:

1. Digital Disruption

The average office worker is interrupted every 3 minutes, yet it takes 23 minutes on average to regain full focus on a task (University of California, 2008). As a result, we never achieve full focus!



With constant interruptions from emails, Teams chats, and other digital notifications, performance and productivity are negatively impacted. This also leads to a loss of focused time, an inability to complete all tasks, and overwhelm and stress for employees.

2. Digital Presenteeism

While the flexibility of modern technology enables employees to work from anywhere, anytime, it has also blurred the boundaries between work and personal life. The urge to stay connected leads to employees logging in during their downtime, at the loss of precious leisure and family time. This "always-on" culture can lead to stress, burnout, and diminished performance.

3. Digital Burnout and Overwhelm

Learning new solutions, knowing which to use when, lack of sufficient training, and too many digital solutions in use can all lead to burnout and overwhelm.

Spending all day staring at a screen can also have a negative impact on wellbeing, sleep, anxiety, depression, and stress. With employees staying switched on for longer and longer and more digital solutions in use, this can have a negative impact on productivity, performance, and overall wellbeing.

Improving Digital Culture in Your Organisation

The first step to improving your digital culture is understanding the current situation and identifying areas in which improvement may be required.

Further actions can then be taken to move towards a more positive digital culture.

Those steps could include:

1. Turning Off Notifications

Interruptions from notifications can lead to a lack of productivity and performance, as well as causing stress and overwhelm. Turning off notifications and time blocking activities, such as email management and responding to Teams chats, is a great first move to regaining control of your working day.

2. Establish Working Hours Boundaries

Creating a 'working hours charter' that states that working outside of hours is discouraged, with a focus on wanting employees to enjoy their free time, is a great step towards reducing presenteeism. This may require an additional step in understanding why employees are unable to complete all tasks during the working day.

3. Encouraging Switch Off Time

Breaks during the day allow the opportunity to step away from screens. Encourage employees to get outside during lunch breaks and take the opportunity to get fresh air, exercise, and time away from screens.

4. Role Modelling by Leaders

When leaders log in outside of hours or work through their lunch, employees may feel that this is required to excel within the organisation. It is essential that leaders are the role models in creating a more positive digital culture, and that they take these actions to improve their own wellbeing and performance.

5. Focused Digital Culture and Wellbeing Training

When leaders and employees gain a greater understanding of the impact of a negative digital culture and the steps that can be taken to improve it, it can have a profound impact on actions being taken and culture change.

What actions are you going to take in your organisation to improve the digital culture?

Sam Flynn is a digital culture and wellbeing trainer, coach, and speaker. She works with organisations to improve digital culture, performance, productivity, and wellbeing. You can find out more about Sam and her workshops at www.samflynn.co.uk



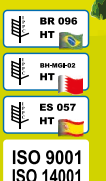
Our Wooden Reels:

- Respect the environment
- Are Biodegradable
- Use 100% Renewable Lumber
- Help protect nature

We are the biggest wooden cable reels supplier in the world, and we are proud to **think green!**



- MADEM
- MADEM GULF BAHRAIN
- EUROMADEM SPAIN
- MADEM-MOORECRAFT REELS USA
- MADEM CARRETES DE MEXICO
- MADEM CARRETES DE COLOMBIA



AEI Machines:

Commitment to sustainable practices and emerging technologies

The performance and durability of AEI Machines depend on high-standard materials, precise engineering, and accurate assembly. Each machine embodies deep knowledge of the field and process understanding, with several hours of design development dedicated to even the smallest functionalities. AEI Machines are Industry 4.0 ready and include features such as fully networked architecture, remote access and monitoring, as well as data collection and transmission capabilities. High production flexibility, enhanced safety, reduced downtime, and minimal maintenance efforts are the hallmarks of AEI Machines.

With a history spanning over 50 years in the production of Rigid Stranding machines, AEI Machines has been selected for projects in various regions across Europe, Asia, the Americas, the Middle East, and Africa. Competing on a global scale for demanding applications, AEI Machines provides Rigid Stranders that meet various safety and conformity certifications.

Innovation and a focus on technical advancements in the stranding process are two critical elements that define the culture of the company, resulting in a machine that is renowned for technological prowess, performance, and robustness.

Some of the applications include machines for manufacture of:

- Highly compact round conductor up to 2500 mm² in single pass for EHV cables
- Milliken segments for conductor up to 3000 mm² / 500 kV
- High speed manufacture of conductor for low voltage cables
- New generation HTLS conductor TW/CFCC
- High speed manufacture of various overhead conductor ACSR/AAAC
- Copper wire screening of high voltage cables
- Steel wire/strip armouring
- Laying up of control cables

Meet the AEI Machines team at Hall 11, D14.
www.aeimachines.com



inTEST Corporation Launches

Next Generation of Induction Heating Systems

inTEST Corporation, a global supplier of innovative test and process technology solutions for use in manufacturing and testing in key target markets which include automotive/EV, defense/aerospace, industrial, life sciences, security, and semiconductor ("semi"), today announced the introduction of its all new EKOHEAT2 induction heating products by Ambrell, an inTEST company. The EKOHEAT 2 offering is the next generation and evolution of Ambrell's renowned VPA Technology.

The EKOHEAT 2 product family was engineered with an innovative, industry-leading internal control and power delivery system, Advanced Internal Monitoring TM, an industry exclusive. Included with this proprietary monitoring system is a newly designed, intuitive touchscreen with an expansive suite of diagnostics and on-board help videos, as well as user manuals in multiple languages. EKOHEAT 2 with Advanced Internal Monitoring enhances process heating accuracy and reduces system cooling requirements. Additionally, by applying the latest semiconductor technologies into EKOHEAT 2 products, the control and monitoring of output voltage, power and resonant frequency are all digitized, improving process heating efficiencies and responsiveness.

Scott Nolen, Division President of inTEST Process Technologies, said,

"We are extremely excited to bring the EKOHEAT 2 product line to the induction heating market and are especially proud of the Advanced Internal Monitoring architecture that our engineering team has developed. We believe this architecture delivers superior performance through an advanced array of features that are unmatched by any other manufacturer in the industry and is a game-changing innovation to better solve our customers' process heating challenges." He continued,

"The addition of the EKOHEAT 2 family to our existing product portfolio will further strengthen inTEST's position as a global leader in our industry."

Orders for EKOHEAT 2 products can be placed today with delivery as early as April 2024. The initial family of products includes six models with maximum output ranging from 20 kW to 50 kW over frequencies from 5 kHz to 40 kHz. Additional EKOHEAT 2 models with expanded feature sets will be introduced throughout 2024. For more information and technical details about EKOHEAT 2 with Advanced Internal Monitoring, please visit ambrell.com.

www.intest.com



BCC: Decarbonizing the Grid

Electrify ur Future

Bangkok Cable Co., Ltd., Thailand's leading manufacturer of electric wires and cables, celebrates 60 years of excellence with a record-breaking year while driving innovation towards a more sustainable future.

To reach the Paris Agreement's goal of limiting global warming to 1.5°C compared with pre-industrial times, the world's power generation must triple by 2050 with 91% coming from renewable sources according to the International Renewable Energy Agency. Shifting towards decarbonized electric grids defines the trajectory of this clean energy transition, emphasizing the crucial significance of electric cables in driving this transformation. BloombergNEF estimates that achieving global net zero carbon emissions will necessitate the expansion of the grid by a staggering 80 million kilometers by 2050, more than enough to replace the global electricity grid today. This translates to approximately 68 million kilometers of overhead lines, 12 million kilometers of underground cables, and 0.2 million kilometers of submarine cables. Now more than ever, as Bangkok Cable celebrates its 60th year, the imperative to innovate and adapt to

clean energy solutions is paramount. Achievements in incorporating solar PV cables and ACCC conductors to their extensive portfolio of products show Bangkok Cable's commitment to reversing the effects of climate change. As a testament to their dedication, Bangkok Cable is a proud member of the UN Global Compact and has adopted the ESG framework, integrating environmentally friendly policies and circular economy principles into their supply chain.

Since commencing operations in 1964, Bangkok Cable has formed the backbone of Thailand's infrastructure. Its products serve as a representation of the capabilities of Thai people's engineering expertise, drive and ambitions. The company continues to play a pivotal role in Thailand's power development plan, aiming to complete 230 kV production by 2024, while targeting a sales volume of 60,000 tons for this 60th year. As they celebrate this milestone, Bangkok Cable reaffirms its commitment to uphold the highest standards of quality, reliability and integrity.

www.bangkokcable.com

FMS: Major Upgrade with RTM X42 Strand Tension Monitoring & Control System

Increasing cost pressure and higher quality demands are forcing cable manufacturers to operate existing production systems more efficiently. Leoni Elocab together with Baremo has recently completed the upgrade of a cage stranding machine with a RTM tension control system.

Leoni Elocab in Germany, had previously modified parts of the machine and equipped it with a modern control system. The machine, an 18-payoff Niehaus cage strander with two cages of 6 and 12-payoffs each, is used for the production of highly flexible special cables, some of which are produced in small batches (from 100m). In the course of the upgrade a FMS Force Measuring Systems RTM X42.BC telemetry system was included for continuous wire tension measurement and control was installed on the machine. The system has the capability to measure the tension on a maximum of 42 individual wires. A control center provides an overview, monitors limit values, manages recipes and creates quality protocols. The brake control ensures continuous and fully automatic wire tension control.

With the measures taken, the objectives of the audit were fully achieved. Plant productivity and process reliability were increased through continuous production without manual action in the control of the strand tension. For very low wire tensions, an efficient measuring and control system in the range of 2N to 20N is now available. Recipe management for individual products reduces set-up times, and the tension information is recorded for quality data acquisition and control. Also available at each payoff are digital inputs for use in monitoring pintle lock status or other safety or process related functions. The system makes strander operation easier for operators and auxiliary personnel. The RTM X42 telemetry system measures the strand tension of individual wires in cage or tubular stranding machines. Both the machine operator and your quality management personnel have access to these process parameters.

Modular system for wire tension measurement

Strand tension values are displayed via the optionally available RTM X42.CC control center or in your existing PLC. Due to the standardized interface, the connection to your PLC can be easily realized with all common protocols covered via an anybus gateway. Many new machines are already delivered with the RTM X42 system. For existing machines, however, the system can also be easily retrofitted due to the modular system design and the compact components.

Measurement data by radio

The RTM X42 system transmits the measurement data by radio and the power supply is provided by high-performance and long-life rechargeable batteries; no slip rings are required. While each RTM X42 system can monitor up to 42 single wires or strands, the modular design of the system allows for multiple systems to operate in parallel. Thus, the number of monitored strands is practically unlimited.

Klaus Falkenberg, Process Engineer in the Business Unit Tailor-Made Products at Leoni Elocab GmbH *"...the project went to our entire satisfaction...the cooperation with Baremo as well as FMS was target-oriented and professional...we are very satisfied with the results and the set goals of the project have been achieved..."*

www.fms-technology.com/en



Main lay-plate with 12 tension monitoring of 12 strands

TKT Group at wire 2024

TECNOVO and KONER, manufacturing companies of the TKT group and leaders in the respective sectors of lubricants and drawing dies to showcase at wire 2024- Hall 11, Booth A56.

In recent years, the TKT group has solidified and expanded its market position. Through significant investments in new machinery, technologies, and research and development programs, as well as the expansion of the TKT product portfolio, the company aims to provide customers with increasingly innovative, integrated, and synergistic solutions.

Below some important innovations in TKT Group offer that will be presented at the wire 2024:

- Brand new!! High performance "dust free" Tecnovo calcium soaps, the result of many years of research, for the steel wire drawing market
- Evolution in the formulation of Tecnovo "green" emulsifiable oils, through new additives that improve the wet drawing process in terms of lubrication and drawing performances
- A new automatic press machine was installed at the end of 2023 at the Koner plant, with a pressing force of 120 tons to produce hard metal products up to an external diameter of 120mm
- Production of various types of drawing dies and custom-designed parts, by sophisticated micro-grains with zero porosity and significantly higher density and hardness values, while maintaining the already high standards of toughness

- Wide range of round and shaped dies, which can be supplied in solid hard metal or coated with special Koner treatments to enhance their durability characteristics
- D-lab, the innovative instrument for measuring the diameter and ovality of dies; after the great success on the world market in recent years, it has been further improved with a larger "touch screen" for greater ease of use by operators
- New K.80 system for dies regrinding and polishing operations, sturdy, safe and economical
- New Ecoclean® / Ecovipe® machine for wire and wire rod cleaning
- New butt welder machine, efficient and very easy to use, significantly reduces the welding process time of the steel wire. This machine guarantees savings and a very high productivity thanks to welding and annealing in a single operation
- Specialized and professional tungsten carbide dies regrinding services, by Koner East in Macedonia, and polycrystalline diamond dies regrinding service in Koner Italy
- Very high performing wiping pads for galvanizing operations, produced with specific coating treatments and internal and external lubrication, supplied for all the types of applications and for any customer need
- Brushes for wire and wire rod cleaning, long lasting and available in different sizes, types and materials
- Integrated solutions, both chemical and mechanical, for wire and wire rod cleaning

We look forward to seeing you at our stand,
Hall 11, Booth A56.

www.tktgroup.it



QED Revolutionises Steel Wire Processing with Remote Monitoring & Control

QED, the industry leader in steel wire processing equipment, announces groundbreaking advancements in connectivity and efficiency. Specializing in custom-built furnaces and cutting-edge technologies, QED introduces Remote Monitoring & Control to streamline operations and enhance productivity.

Connectivity Redefined: QED's Remote Monitoring & Control

QED's networked control panels, integrated with Siemens-based PLCs and Ixon routers, ensure seamless LAN integration. The Cloud-based command centre provides live production dashboards, real-time alerts, and global equipment accessibility, connecting man to machine like never before.

Unparalleled Performance: IXON IoT Platform

IXON Cloud 2 empowers QED's process lines with fast PLC access over a secure network. Real-time remote monitoring and control are achieved through online dashboards, accessible from computers or smartphones. Cloud data logging and mobile alarm notifications enhance production monitoring efficiency.

Precision Engineering: Siemens PLCs

QED relies on Siemens PLCs for precise gas flow and accurate temperature control. Programmed with user-friendly software and advanced combustion algorithms, Siemens PLCs simplify maintenance and operations, ensuring optimal performance worldwide.

Cost-Saving Innovation: QED AutoCoat™

QED AutoCoat™ ensures consistent and uniform coating weight application with a precision of $\pm 10\text{g/m}^2$,

leveraging the latest Siemens PLC hardware for significant savings and premium-quality finished products.

Industry-Leading Furnaces: Innovation Redefined

QED's furnaces redefine innovation in steel wire processing:

1. Sophisticated Control: Environmentally friendly heat-treating solution with rapid heat transfer, resulting in more compact and efficient process lines.
2. Pulse-Firing Technology: Improved thermal efficiency, increased temperature uniformity, and enhanced burner and zone control.
3. Advanced Coating: Higher combustion efficiency and extended operating lifespan for superior galvanising and Galfan coating.
4. Combustion Technology: Dual loop pressure/temperature control system for improved efficiency and reduced environmental impact.

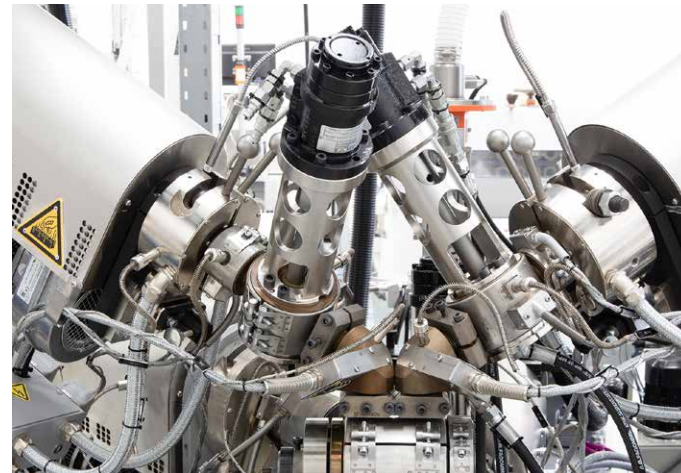
Superior Technology: Pre-Clean and Pickling

QED's pre-cleaning and pickling technologies set the standard for excellence:

1. Powerful Pre-Cleaning: Dual-stage pre-cleaner with ultrasonic transducers and innovative temperature and level control features.
2. Patented Pickling: HighTurbulence™ Pickling System with multiple cascading stages, minimising acid consumption and waste treatment requirements. QED remains committed to experience and innovation, providing unparalleled solutions for steel wire processing.

www.qed.co.uk

New year, new possibilities!



Rosendahl Nextrom has recently equipped its in-house technology center with two brand-new laboratory lines for LAN cable and fiber optical cable production. Customers and partners are invited to test the modern infrastructure.

As of the start of the year, Rosendahl Nextrom's technology center, located at its headquarters in Austria, has been exclusively dedicated to datacom. Two new laboratory lines, one for loose tube production and another for Cat8 wire insulation, have been installed and are now available for test runs and trials:

New loose tube line delivers on all fronts

Equipped with numerous features aimed at enhancing quality and productivity, while at the same time reducing scrap, the latest generation loose tube line marks a significant advancement in fiber optical cable manufacturing. Noteworthy for its compact design, the line achieves speeds of up to 1,200 m/min. Visitors can experience firsthand the improved performance of an enhanced fiber cutter, optimized jelly-filling, a cable drying system for high speeds, and more.

Exceptional quality and unrivaled speed for LAN cable production

The second line that has been installed is a high-speed insulation line for category 8 LAN cables. The core of the line features a robust extruder group of four with high-precision gas dosing. Notable highlights include the cooling section and the automatic take-up station, specifically engineered to handle speeds of up to 2,500 m/min.

R&D as a mission

"We are excited to advance our research and development with these new laboratory lines and extend our infrastructure to our customers and partners," says Johann Jäkel, Business Unit Director.

"The trials on the lab equipment will help improve product quality and increase operational efficiency. It's a win-win situation for everyone involved and further strengthens the strategic partnership with our customers."

About

Rosendahl Nextrom's in-house technology center serves as a hub for research, development, and testing of new features and software. Additionally, it offers customers and partners the opportunity to conduct trials on the equipment.

Would you like to experience the technology center live or try your own recipes on the currently installed lines? Contact Rosendahl Nextrom regarding availability.

www.rosendahlnextrom.com

'Ideas into Products'

i2P Center from SCGC, Accelerating Ideas to Innovation

SCGC emphasizes our dedication to seeking opportunities and possibilities to create new product developments that meet the needs of customers, businesses, and rapidly changing industries in the global market.

This is achieved by developing creative ideas derived from industry challenges, igniting the spark of innovation.

In pursuing a successful innovative product, the idea alone is not enough. The i2P Center initiates creativity, continuation, and acceleration of development, facilitated by a team of experts spanning materials, design, manufacturing, and process consultancy.

This journey begins with brainstorming and refining ideas into practical concepts, progressing to prototyping and testing methods to ensure the product functions as intended.

In addition to the i2P Center in Rayong province, open for interested visitors, SCGC also develops the "i2P Digital Experience" application. This application offers a virtual tour, enabling visitors to learn and explore new aspects of the complete plastic cycle, from its inception to its end, including recycling resources.

The application presents the highlights about SCGC GREEN POLYMER™, focusing on environmentally-friendly polymer materials in various dimensions. Users can learn, comprehend, and apply this knowledge towards the sustainable development of products or packaging. They can also directly engage with experts from the i2P Digital Experience for discussions and consultations.

For more information, please get in touch with i2P@scg.com

Scan the QR codes to the right to download the **i2P Digital Experience**



Play
Store



Apple
Store

Synergy Steels

Clinches the India Green Award for Best Environment & Pollution Control Practices, 2023

A company with a green heart, Synergy Steels has implemented a holistic strategy to fortify sustainability across its manufacturing procedures and supply systems – achieving the highly esteemed recognition in environmental stewardship.

Synergy Steels Limited, a leading stainless steel company with its manufacturing facility in Alwar, has been honoured with the prestigious India Green Award for Best Environment and Pollution Control Practices, 2023.

The India Green Awards is a leading event-organizing platform for environmental development, sustainability, leadership, and innovation. A highly esteemed recognition in environmental stewardship, the award serves as a platform to acknowledge organizations demonstrating exemplary commitment and innovative initiatives towards environmental sustainability. In this regard, Synergy Steels stood out, showcasing a resolve to address environmental challenges through its green initiatives.

A company with a green heart, Synergy Steels has implemented a holistic strategy to fortify sustainability across its manufacturing procedures and supply systems. The stainless-steel manufacturer has a comprehensive pollution control system designed not only to manage emissions from its manufacturing facilities but also to address fugitive emissions in workplaces. Further, the company, in recognition of the fact that LPG is a greener energy source, has transitioned to using LPG instead of LSHS, integrating it into critical processes such as Reheating Furnace, Annealing Furnace, Preheaters, and other essential functions for the past year. Additionally, in pursuit of responsible waste management, Synergy Steels has also established a Slag Processing Unit to efficiently process solid waste.

Over the years, in a bid to fulfil 50% of its energy requirements through alternative sources by 2030, Synergy Steels has shifted its focus to solar power to meet its energy needs. The company has also established alliances with solar companies to fulfil a substantial portion of its energy requirements. Additionally, Synergy

Steels utilizes green hydrogen generated by renewables that is used with direct-reduced iron in its steel-making process.

Mr. Anubhav Kathuria, Director of Synergy Steels, expressed gratitude for the acknowledgement, stating, *“Receiving the Best Environment and Pollution Control Practices award is a testament to Synergy Steels’ underlying commitment to environmental sustainability. Acknowledging the significant carbon footprint associated with the steel sector, contributing to approximately 7% of global emissions, we are aligned with the Indian government’s target of achieving net-zero emissions by 2070. Synergy Steels looks forward to playing an active role in realizing this goal. As a company, we believe in leading by example, and this recognition motivates us to continue pushing the boundaries of what is possible in terms of eco-friendly manufacturing practices.”*

With an in-depth grasp of the planet’s environmental problems, Synergy Steels remains steadfast in its commitment to environmental sustainability – striving for continuous improvement across its manufacturing procedures and supply systems.

www.synergysteel.co.uk



Anubhav Kathuria, Synergy Steels

Temco:

A New Chapter in Precision Copper Solutions



During December 2023, LEONI AG sold its Wire Products & Solutions business group (BG PS) to Deutsche Invest Mittelstand GmbH. BG PS, now under the new brand Aerumtec Group, is a specialist manufacturer of copper-based products and solutions customized to individual requirements, serving various industries such as automotive, aviation, renewables, and industrial applications.

Headquartered in Germany, the group operates production facilities in Germany, the UK, and China, employing over 500 people globally. The business is operated by the following companies:

- Aerumtec GmbH (formerly LEONI Draht GmbH)
- Aerumtec Wire (Changzhou) Co Ltd. (formerly LEONI Wire (Changzhou) Co, Ltd)
- Haarländer GmbH
- TEMCO Wire Products Ltd (formerly LEONI Temco Ltd)

Brian Cutts, Managing Director of TEMCO Wire Products Ltd, stated, ‘The team welcomes and embraces the change of ownership. We take with us the knowledge and experience gained while an active member of the LEONI

family over the past 27 years. Now joining the Deutsche Invest Mittelstand (Di) family and remaining within the Aerumtec Group, our new name will be TEMCO Wire Products Ltd. We continue in our 10th decade of business and remain customer-focused on Service, Quality, Cost, and Delivery for our customer base and their market sectors.

Established in the UK since 1906, TEMCO Wire Products Ltd is one of the world’s leading specialists in highly advanced copper and alloy-based products. Our name is recognized globally with a reputation for high quality and leadership in our markets. We offer a unique choice of wires, strands, and ropes made from copper and copper alloys, including alloy ranges for high strength and resistance.

Material can be supplied electroplated and bare, as well as composite/mixed materials for tailor-made characteristics. Nickel, silver, and tin plating up to 27% can provide protection for temperature extremes between -150°C and +750°C. World-class process controls ensure the tightest tolerances and the most demanding product specifications.

Our versatile product portfolio includes innovative products for a wide range of applications, including:

- Electrical
- Heating and heat management
- Network & data communications, including RF/HF
- Sensors
- Miniaturization
- High flexibility

Supplied to a wide range of markets, including:

- Space
- Aerospace
- Automotive & e-Mobility
- Transportation
- Industrial & automation
- Healthcare

www.temco-wire.com

CableBuilder and CableMES now go to market as... Solutions

Following the acquisition of Cimteq by UL Solutions in September 2022, CableBuilder and CableMES, software programs for the wire and cable manufacturing industry, have now fully transitioned to the UL Solutions brand.

Speaking about the overall acquisition and the integration of the two businesses, Paul Ngai, vice president and general manager of Engineered Materials at UL Solutions, said:

"Software is becoming increasingly vital to product safety and security across the wire and cable industry. As the complexity of product requirements increases, process

excellence throughout the research and development cycle is increasingly crucial to safe product deployment. We are proud that Cimteq by UL Solutions services will now go to market as UL Solutions and are part of the larger organization that empowers manufacturers worldwide to achieve their digital transformation ambitions while accelerating the development of safe and compliant products."

For more information on CableBuilder and CableMES, please visit www.ul.com, or follow UL Solutions on social media using #CableBuilder and #CableMES hashtags.

Demand for copper on the road

An average electric car hides roughly 80 kilograms of copper in multiple forms. As the demand for vehicles powered by electricity grows, so does the need for quality copper products. As the leading supplier of upward continuous casting technologies, UPCAST® brings solutions to meet this demand.

With the market for copper products growing worldwide alongside electric vehicles, the quality of the products comes under scrutiny. Starting from the coils used in EVs, especially the motors that many cars have, every coil consists of numerous hairpin windings connected to each other in a process similar to welding. This structure sets the standard for the high electrical conductivity copper being used, requiring excellent surface quality and high mechanical strength, while being highly weldable.



UPCAST® copper rod is oxygen-free, providing superior weldability compared to ETP-copper products.

Copper is also prominently used for wire harnesses, the demands for which are becoming stricter as more electronics are installed in vehicles. Wires must withstand mechanical stress and temperature changes. UPCAST® units provide copper-magnesium and other alloys that can be processed into a cable that is durable, flexible, and thin, minimising its weight contribution to the vehicle.

For more information see www.upcast.com

Prysmian signs a contract worth around €1.9 Billion with Eastern Green Link 2 Limited

Effective immediately, the contract is now added to the Prysmian order backlog. The award follows earlier Prysmian selection as preferred bidder and commitment to assure the required capacity

Prysmian, world leader in the energy and telecom cable systems industry, has finalized the contract worth in the region of €1.9 billion by Eastern Green Link 2 Limited, a joint venture between SSEN Transmission and National Grid Electricity Transmission plc, the UK electricity transmission network owners.

Under the contact, Prysmian will deliver a major HVDC cable system for the Eastern Green Link 2 (EGL2) network development project that shall connect Scotland and England.

"We are very proud to have the opportunity to play our role in the development of such a strategic infrastructure for the UK, by making available our state-of-the-art cable technology" commented Hakan Ozmen, EVP Transmission BU, Prysmian. *"Once completed, the electrical 'superhighway' cable link will unlock the rich renewable energy capacity of Scotland and significantly increase the UK's capacity to deliver clean energy for around two million homes in the UK"*

The award of the EGL2 contract, which can now be added to the Prysmian order backlog, follows the earlier selection of Prysmian as the exclusive preferred bidder in May 2023 and a subsequent commitment made in June 2023 to assure Prysmian's continued capacity availability for the project. The new connection is due to be operational in 2029.

The EGL2 connection will form a vital electricity transmission link between Scotland and England and is one of the first cable systems contracted in the UK that will utilize 525 kV HVDC (High Voltage Direct Current) technology with extruded XLPE insulation. With a power transmission capacity of 2 GW, Prysmian will design, manufacture, install, test and commission the required HVDC cable system.

www.prysmian.com

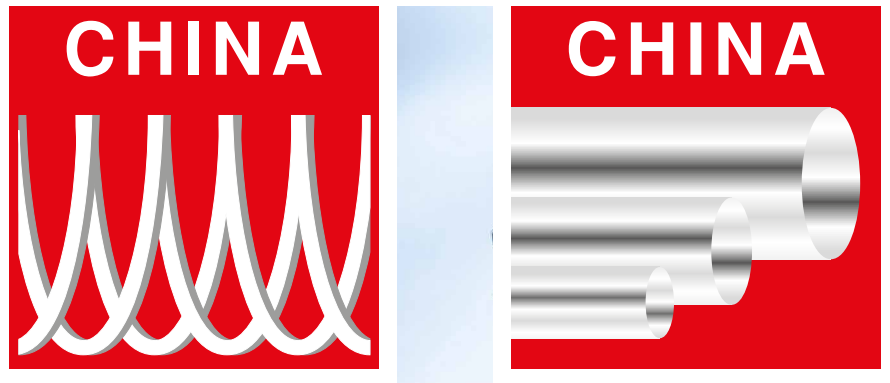


Shanghai, China

25 – 28 September 2024

All China – International Wire and Cable Industry Trade Fair
All China – International Tube & Pipe Industry Trade Fair

wire Tube



Our Members: March 2024



WintWire

manufacturers of speciality wires

UK precision wire manufacturer & stockist

Round Wire – 0.10 to 20.00 mm

Shaped Wire

Flat & Square Wire

Quantity – 1 meter to 10 tonnes

Grades

Exotic Nickel Alloys

Stainless Steels

Non-Ferrous

Carbon & Carbon Alloy

Titanium

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to meet a Sales
Representative at
the show



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