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Wire & Cable News

JUNE 2022



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2022**

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Lockdown, war and logistic woes

IWMA Members exhibit
at wire Düsseldorf



Newsletter of
the International Wire
& Machinery Association

Chairman's message

Dear members and friends of the IWMA

Well, we're back, and I couldn't be more excited.

It's my first wire Düsseldorf as IWMA chairman, and that of course makes it an event of great interest to me personally. But more than that I'm looking forward to being back in the show halls again, seeing friends and colleagues, members and future members alike!

Look out for me as you go round the stands; I'll be here, there and everywhere for the whole of the five days and to be honest, I don't think I'll be on the IWMA all stand that much – there will be so much to catch up on and so many people to get reacquainted with! So, if you don't catch me in the halls, visit the IWMA stand and leave a message and I'll certainly get back to you.

The whole industry missed out on a lot when wire Düsseldorf was cancelled in 2020, and especially so the IWMA, since we were due to mark our 50th anniversary and launch bright new branding.

But that's in the past; we're here now and you will be able to see the rebrand and the new-look, open-aspect stand when you come and say hello. As well as me, there will be our past chairman, current directors and other senior IWMA figures to talk to, answer your questions and learn why the IWMA is a great organisation for any wire and cable industry company to be involved with.

One of my great pleasures during this year's show will also be to look after the seven young industry newcomers who have received this year's IWMA Education Awards (previously called the IWMA travel awards).

We have renamed the awards to give them a more general function. They are used to pay for a group of industry newcomers to attend the show, take some industry tours, talk to wire and cable veterans and prominent figures and generally find out why the industry is one of the more amazing career choices they can make.

I'll be introducing them round, and I'm excited about that too. They are the future, so there can't be a better use of their time – and mine – than talking to their peers and looking at various aspects of the industry they have joined at the biggest show in the world.

Are you excited about it too?

My very best wishes to you all

Don Neville
Chairman, IWMA



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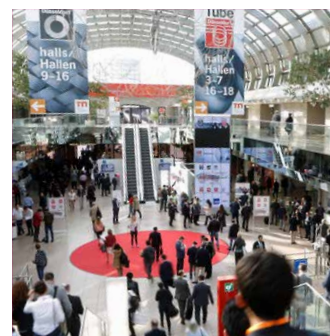


Global insulated metallic wire and cable demand recovered strongly last year and we expect this momentum to continue in 2022, albeit at a slower rate of growth...



IWMA Welcome New Chairman 07

Don Neville was named chairman of the International Wire and Machinery Association at its Annual General Meeting on February 9. He knows only too well the challenges both his chairmanship and the wider organisation face during his three-year tenure...



Members Exhibit at wire Düsseldorf 2022 09–34

Find stories from our members exhibiting at wire Düsseldorf here

IWMA at wire 2022...

If you are among the IWMA members en route to wire Düsseldorf, we can't wait to see you in person again on our stand in Hall 11 D22.

The IWMA's bright new stand – designed in our new branding that we had hoped to reveal for our 50th anniversary at the 2020 show – can help you with on stand hospitality, Wi-Fi internet access, charging points, cloakroom services, and general business services as usual, and we have a German-speaking interpreter, if you need one.

Unfortunately, due to the Covid regulations we have had to say goodbye to our Gala for this show but are very much looking forward to hosting two networking stand parties on Tuesday 20th and Wednesday 21st June from 6pm – 9pm. Each of these networking events will be a great opportunity for us to meet with members and members to meet with each other to discuss the show, take advantage of our on-stand hospitality and have a great evening reconnecting with friends and colleagues we may not have seen for nearly 3 years.

Also new for 2022 is our meeting “pods” – four areas on the stand, each of which offers up to six people an informal meeting space. These are free for member companies to use for up to an hour each day, with a small charge for meetings of over an hour.

“The charge for longer meetings is simply to maintain turnover,” explained IWMA executive manager Andy Lewis. “We think the pod spaces will be very useful; they offer a degree of privacy and unlike the previous single room, several meetings can go on at

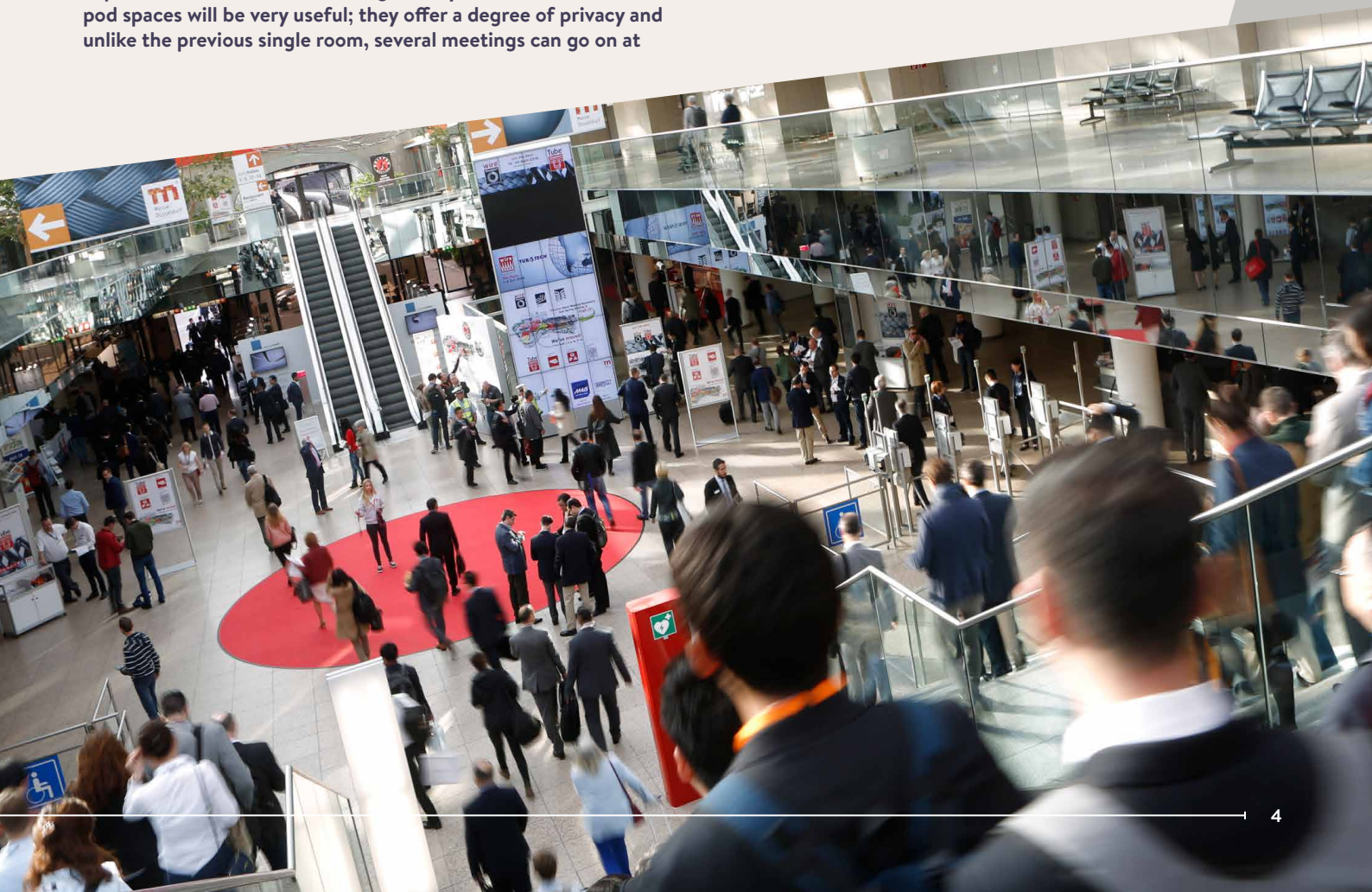
once. Previously we sometimes had two or three people in the room, which meant we couldn't accommodate any other group. This way we are far more useful to far more members.”

The organisation's usefulness to members also extends beyond meeting spaces this year. With coronavirus preventing the attendance of member-companies from countries with travel limitations, the IWMA will be playing host to representatives from several members who will use our stand as their base.

“We may be a little down on member-exhibitors overall, simply because not everyone is able to attend. It's a pity because this wire Düsseldorf looks like being one of the most exciting for some time. That's why we are making a special effort for non-exhibiting companies,” said Andy.

“We are expecting more visitors than ever from non-exhibiting members, and we'll be helping non-attendees to get as much out of the five days as possible. The stand will be well staffed by our chairman, former chairmen and directors, as well as myself and our Marketing Manager, who will be able to help answer questions from visitors – and encourage potential new members.

“It's more important than ever this year that people who can't be in Düsseldorf don't lose out,” said Andy. “We are extremely keen to help where we can. We hope we have risen to the challenge.”





Metallic Wire & Cable: Lockdown, war and logistic woes

Global insulated metallic wire and cable demand recovered strongly last year and we expect this momentum to continue in 2022, albeit at a slower rate of growth. Cable consumption is expected to grow by 3-4% y/y this year, reaching almost 20 Mt conductors – well above pre-pandemic levels. The total wire and cable market value is forecast to rise by more than 10% y/y in 2022, after a remarkable 39% y/y rise in 2021. This rise in value terms is largely driven by higher commodity prices arising from global uncertainty surrounding metal supply due to international sanctions against Russia, the looming threat of energy insecurity and the subsequent impacts on smelting and manufacturing.

Most major market pessimism such as Chinese residential construction weakness, continued lockdowns in major hubs such as Shanghai and the Russian-Ukrainian War have already been accounted for in CRU's overall 2022 forecast. In this edition, the largest downgrades for this year have been driven by a weaker than anticipated cable market in North East Asia, specifically Japan. Japanese cable consumption in telecom, power and construction sectors all suffered a contraction in 2021, while machinery, appliances, and automobile's strong growth were only just able to offset this with the country's overall cable market growth of 1% in 2021. We have subsequently lowered Japan's 2021-2026 cable demand by more than 150 kt conductors.

For 2022, the outlook for China has remained largely unchanged. The negativity surrounding the outlook for the residential construction sector remains and the current supply chain shocks resulting from continued Covid-19 lockdowns are expected to be offset by a strong rebound in 2022 H2, similar to the market strength experienced in late 2020. 2021 Q4 saw overall Chinese GDP drop to 4.0% y/y on the back of full-year results of 8.1% y/y, evidence of the country's slowing economic momentum.

In the mid-term, LVE, power cable and winding wire have all seen upgrades as major markets such as North America, China and key European nations continue to execute on national housing and construction targets, major infrastructure and utility upgrades as well as ensuring security of energy supply through increasingly ambitious energy projects.

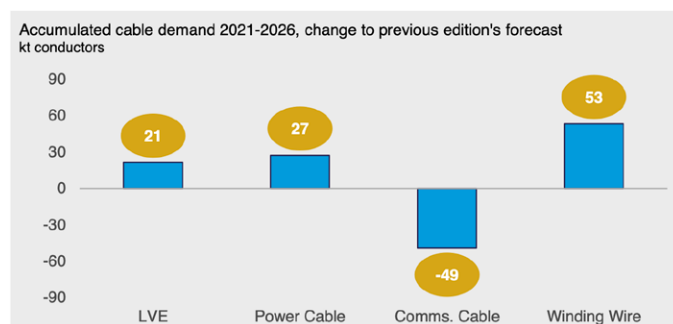


Figure 1: Mid-term upgrades from LVE, power cable and winding wire

Optical Fibre: consumption exceeded 126M F-km in Q1

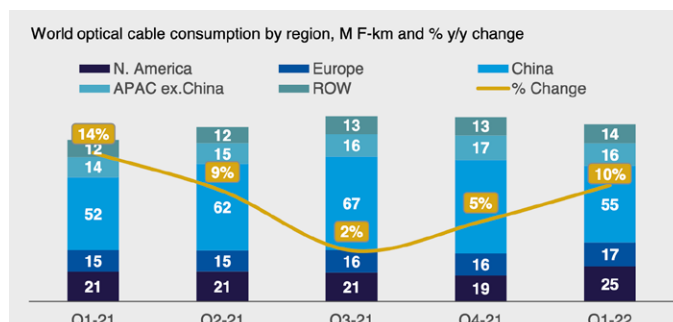
The global optical fibre and cable market largely maintained its upward momentum in early 2022. Cable consumption grew by almost 10% y/y in Q1, surpassing 126M F-km. This is greater than 2017 Q1, the previous Q1 peak demand on record. North America contributed the most year-on-year net increase in terms of absolute cable volume (almost 4M F-km), and remains as the fastest growing region (+19% y/y). Though the tightness on fibre and cable supply, and the increased cost of FTTH deployment, could begin to constrain future demand.

Despite lockdowns and logistical challenges in China, cable deployment by major operators has largely not been impacted. The country's cable consumption has grown by 6% y/y in Q1 and we maintain our view for a 6-7% y/y growth for the whole year. In Europe, domestic bare fibre spot prices increased noticeably off the back of reduced fibre availability and rising raw materials prices. This is despite of some early indications of demand wanning in France, the Netherlands, Italy and the Nordic countries. We have also further downgraded near-term Eastern European cable demand as a result of the war in Ukraine.

Elsewhere, India has been slightly underperforming as BharaNet-related deployments are yet again facing delays. However, optical cable demand in ASEAN and Latin America markets remains healthy. This is supported by their respective national FTTH expansion programmes.

Raw material price hikes, tight supply for helium gas, SiCl₄ and HDPE, coupled with logistical issues, have once again pushed up fibre and cable prices. CRU understands producers are facing growing resistance from their customers to accept further price increases. Please contact CRU for our latest view on global G652.D bare fibre spot prices.

In terms of other market developments, the UK launched both an anti-dumping and anti-subsidy investigation into imports of optical cables from China in late-April. India has also opened an anti-dumping investigation into bare fibre imports originating from China, Indonesia and South Korea in early-May.



Global optical cable demand grew by 10% y/y in 2022 Q1

14th

CRU

Wire & Cable Conference 2020

8-10 June 2020 • London, England

The definitive annual meeting for the global wire and cable supply chain

CRU brings its global gathering of cable makers and thought-leaders to London for the first time in its history

Great reasons to attend CRU Wire & Cable 2020

- Hear from global wire and cable manufacturers and other industry thought leaders sharing their strategies, visions and market views
- Gain first-hand insights into emerging market opportunities and regional perspectives on changing trade dynamics from industry experts
- Hear from CRU analysts on the outlook for the global markets in 2020 and beyond to help inform your business decisions
- Understand the impact on the wire and cable supply chain of power, communication, construction and automotive industry developments
- Gain technical insights on the latest wire and cable products and raw materials
- Get involved in strategic discussions with an influential audience of senior industry executives to help inform your business decisions
- Secure valuable new business contacts and meet with senior decision-makers from across the sector
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OVER 2 DAYS



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200+
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IWMA new Chairman

Don Neville



Don Neville, managing director of RichardsApex Europe Ltd, the UK subsidiary of RichardsApex Inc., USA – was named chairman of the International Wire and Machinery Association at its Annual General Meeting on February 9. He knows only too well the challenges both his chairmanship and the wider organisation face during his three-year tenure. We asked him what he sees as his main tasks in the coming months.

American-born Don Neville (67) has been in the wire and cable industry since 1990, and takes up the position of IWMA chairman from popular leader Martin van der Zwan, who in the face of the pandemic agreed to stay at the helm for a fourth year, to give the association greater continuity.

“I know I speak for the entire membership in thanking Martin for his commitment and dedication to the association during these extremely frustrating times,” said Don. “He saw us through our 50th anniversary and rebrand – sadly without the celebration we had planned for the ultimately-cancelled Wire Düsseldorf in 2020.

“But the lack of fanfare in no way diminished the significance of our milestone anniversary, nor the contribution Martin has made as chairman. He will now be joining our advisory committee of past chairmen, and I know his continuing contribution will be of enormous value to us all.”

As a senior member of IWMA’s management team, Don is well aware his own chairmanship will have challenges: “We reckon it might be as many as three to four years before we get back to pre-Covid funding levels, for example,” he explained.

But he also recognises that the reverse is true: the devastation – “it’s not too strong a word” – of the past two years also presents opportunities to give IWMA new impetus and benefit for its international membership.

“All organisations begin to get set in their ways the longer they are around,” Don suggested. “There aren’t many associations like IWMA that have been around for 50 years – so if nothing else, the pandemic has given us a chance to shake things up. Few organisations in this field have our breadth, expertise and international reach – we have members on just about every continent.”

The pandemic, he says, has helped IWMA’s board think about what the association does and in which direction it should be heading.

“New things have already come out of Covid,” he added. “Leaner work practices, new ways of working, online meetings and so on. As an organisation we have always been highly flexible, so the pandemic gave us the chance to implement, relatively easily, online technologies that weren’t around even a decade ago to everyone’s benefit. We all now mostly prefer to talk online from wherever we are in the world than spend days on planes for something that might last a fairly short time. It makes meetings more inclusive too, allowing members a voice who wouldn’t before have considered making the trip.”

Exhibitions are a different matter, he adds. “There is really no online substitute for Messe Düsseldorf’s international shows – we’re all missing them a lot. Hopefully wire Düsseldorf will go ahead this year and things will get back to a state closer to normality in the coming year.”

The new chairman also sees the length of his tenure as an opportunity: “If you’re a politician, or even a CEO, you might work across a year or so at a time, and there’s little chance to do much more than keep things running smoothly. Over three years you get the chance to consider ideas longer-term: even if you don’t get the opportunity to complete them all, you can build foundations that will propel the organisation for years to come.”

In which areas does Don believe IWMA can build for the future?

“Education, certainly,” he says without pause. “I had an interesting conversation with a CEO recently who was lamenting the difficulty in finding new hires with even an inkling of how a machine might work, let alone a specific production process. Most company bosses are desperate to provide continuity within the industry, so where do we go for our newcomers, and how do we train them?”

“It’s not as if you can go – as far as I’m aware – to a specific school or university to study the intricacies of cable-making, for example. There’s nothing that will take a youngster from the fundamentals of what a machine is and does, to the mind-boggling science behind the work of some of the world’s brightest engineers.

“I am very keen to see in what ways IWMA can help to maintain our members’ breadth of expertise and pay it forward to recruits – perhaps even encourage the brightest newcomers to consider wire and cable first. As an industry we need to find innovative ways to improve the way people are helped and trained,” he said.

“One way will be for IWMA to further expand its education and training role, for which, with the right content and industry-wide accreditations, funding may be available. Members have asked for this: they want to know where they will get the next generation of operators, process supervisors and other specialists, and we think as an association we should try to preserve the vast amount of specialist knowledge member companies have in their ranks. It won’t be a wholesale move into education, but it will mean identifying opportunities with members for ways to improve skills development within their organisations”.

The other major rock on which IWMA’s immediate future will be built, Don suggests, is that of communication.

“In the past, networking has been a central part of our activities,” he admitted. “At exhibitions and conferences we have talked to each other, but not necessarily to members in other industries, or indeed to the public at large. Our members are involved in some of the most amazing projects on the planet and it should be part of our role as an association to speak up for them.

“I’m really looking forward to talking to our members from around the world about what they need and what we can do to help them be more successful. At 50 years old, we don’t want to be perceived as an anachronism; quite the opposite. We have half a century of wide industry experience and a body of knowledge among members that defines us as both modern and truly expert.

“We have some of the world’s leading companies in their field among our members, and within those companies are some truly iconic names of the manufacturing, design and engineering world. Some of our members are pushing back the boundaries in green energy and sustainable manufacturing, for example; as an association we should be a knowledge, information and media hub for members, drawing the world’s attention to their achievements.”

As he suggested, one thing Don can’t wait to see return is the annual run of wire and cable exhibitions. The pandemic has shown that not every conversation has to be with everyone together in a room but, he suggests, communication at exhibitions is one thing that can’t be supplanted by an online presence.

“Messe and its partners have introduced more shows around the world in recent years for a very good reason: they expand business like nothing else,” he explained. “For most of us, exhibitions can’t return quickly enough; there’s a huge pent-up demand. “To help our smaller, newer member companies attend these shows and understand how valuable and useful they can be, we already offer them business and hospitality services on the IWMA stand. We will be exploring ways to expand and enhance that support in the future.”

As Don spends his first few weeks as chairman, he sees an IWMA continuing to evolve and developing new, more innovative ways to stay in touch with its members.

“We want to give even greater value and benefit for the fairly modest membership fees,” he said. “When I look back on the next three years I want it to be on an IWMA that has become more aware of its members’ needs and is more responsive and supportive towards them and the industries we all serve, and that our diverse global membership continues to thrive.”

IWMA members suffer wild fluctuations in fortunes

We asked members for their thoughts on the current state of the wire and cable industry – and the responses show some companies thriving, post-pandemic, while other factors are now often causing even bigger problems.

IWMA members are working through some of the most volatile market conditions of the past decade, with some companies holding record orders, others barely able to fulfil and deliver goods, and raw materials increasingly difficult to source and obtain.

Though from the outside, the wire and cable industry appears buoyant, the deeper picture is of wild fluctuations, between those companies sitting on full order books and others scrambling for cover.

The war in Ukraine has added to the drain of the pandemic, and the total effect on trade is still being worked out. But sanctions, higher import duties and the search for alternative sources of raw materials is already having serious effects in some sectors.

Instability is the biggest factor. Some members have been able to double the value of their order books thanks to surging demand, while some have lost a huge part of their business through the direct effect of the war. Some companies are in a very difficult position: Russia could be their biggest market, but due to sanctions or because of the morals of doing that business, they are not accepting orders. One IWMA member company received a £1million order from Russia on the day of the invasion, and had to walk away from it that same day. Others have seen their global sales halved because the bulk of their trade was with Russia or Ukraine. A lot of members' sales territories have disappeared in a few weeks, forcing them to completely refocus on what they sell, and where.

The repercussions of the pandemic have been seen in raw materials shortages and greatly-fluctuating delivery times and transport costs. The soaring price of energy is another red flag to the industry, whose processes often use large amounts of power.

One British IWMA member related signing a pre-pandemic contract for energy at £0.06 a kilowatt, and is now looking at renewing at a 600 per cent increase. Prices have been dropping, but the fall often isn't being passed to consumers. After surviving the pandemic and Brexit, some believe the energy crisis could be the final straw for some companies.

There is currently a boom in cable manufacture for EV automobiles and charging station infrastructure, but many cable companies find themselves unable to accommodate demand. One cable-making member could potentially have doubled its 2020-21 turnover, but while demand has increased, capacity hasn't been able to follow as quickly.

Members report order backlogs because they can't get the raw materials to fulfil demand, and when they can, transport companies – particularly to the UK – can't guarantee capacity to deliver it. For goods outwards, deliverers can rarely quote prices and delivery pick-ups the few weeks ahead that manufacturers might require, because they don't know if trucks will be available that far ahead. Orders are delayed by many months because of these pressures, and while the contract price usually remains the same, the cost of fulfilling the contract rises every week – and not by small increments.

Supply chains are a major problem. One example of the Russian effect on the supply chain is a simple material like plywood, used by several companies to make such things as cable reels. Russia supplied almost 50,000 containers of plywood a year, but that has largely dried up, and that which does make its way to Britain suffers a 35per cent import duty. Makers are now getting supplies from China, and the Chinese product can be very good – or simply not good enough to support the weight of the heavy cable wound on it. Cable makers can't be completely sure and often find out the hard way. One IWMA member has even written to cable manufacturers to ask them to consider other materials, because of the looming crisis in wooden reel manufacture. Ukraine adds a second a problem in this regard: the country supplied 40 per cent of EU demand for some steel products, and currently that demand isn't being supplied.

The constant instability in raw pricing is a massive problem for many IWMA member companies. Many members are buying what they can – virtually at any price – to allow them to carry on working. The market for many wire and cable products is steady and even improving, but members can't predict with certainty where the raw materials will come from.

“As members with common interests, we simply have to reach out to each other to help where we can,” suggested IWMA chairman, Don Neville. “None of us know if the good time some of us might be enjoying at the moment will still be that way next month.”

Alloy Wire International promises 'security of supply' with largest ever stand at wire 2022

Security of supply, unrivalled lead times and technical expertise will be just three of the major talking points when the UK's leading manufacturer of round, flat and profile wire takes its largest ever presence (Stand 11 E26) at wire 2022 between 20th and 24th June.

Alloy Wire International (AWI) is returning to Düsseldorf for the first time since Covid-19 and is expecting to target spring, semiconductor and fasteners manufacturers involved in automotive, aerospace, electronics and the booming oil and gas sector.

The company, which has recently invested more than £500,000 into a new warehouse extension in the UK, will take ten staff over to Germany as it looks to reinforce its reputation as a hub of technical knowledge for clients and suppliers.

This will be reinforced by sales representatives covering more than 13 individual territories, reflecting the truly global nature of Wire 2022.

Mark Venables, Managing Director at AWI, commented: "This event has been a long time coming and will be a fantastic showcase for everyone connected with the wire industry.

"With all the uncertainty caused by the pandemic, our customers are really looking for security of supply and that involves knowing there is the right volume and variety of material available and that we can still deliver within our expected short lead times"

He continued: "Every decision we made during Covid-19 was taken to ensure we continued to give the same level of

manufacturing quality and reliable delivery, and this has paid off with the start of this year turning out to be our busiest yet, something we hope to build on at Wire 2022.

"Our biggest ever stand will have display cases with sample round, flat and shaped wire alongside a video screen showing behind-the-scenes manufacturing processes of wire being produced in our factory in the UK."

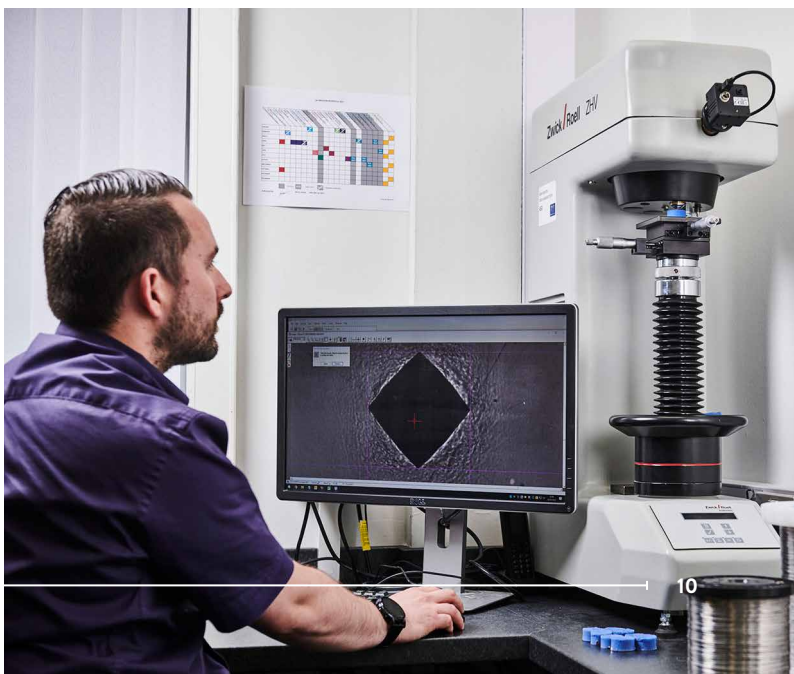
Alloy Wire International will also use the industry's largest show to introduce INCONEL: 617®, a nickel-chromium-cobalt-molybdenum-aluminium alloy.

This is its latest addition to a 60+ range of alloys and delivers a combination of increased strength and stability at elevated temperatures (up to 1100°C/2012°F), whilst retaining the high temperature resistance of INCONEL® alloy 601.

Mark concluded: "When the new warehouse is complete, we will have more than 400 tonnes of stock in place at any one time and that should give our global customer base significant confidence in our ability to deliver what they need, when they need it.

"Our technical team has also been busy at work in the research of nickel alloy wire for additive manufacturing and a number of other exciting R&D projects we hope to discuss in more detail at Wire 2022."

For further information, please visit www.alloywire.com or follow @alloywire on twitter.



Q8Oils at wire & Tube 2022

Visit Q8Oils at stand 11 D21 at wire & Tube 2022 to discuss its many products and service-led initiatives available for the worldwide wire, tube and cable market.

Q8Oils' innovative wire & tube, drawing & rolling lubricants together with technical solutions are specifically developed to reduce manufacturing cost, increase productivity and provide the safest working environment for the customer with technology that exceeds the highest legislation.

Q8Oils is a major European developer, manufacturer and supplier of a comprehensive range of lubricants for the worldwide metal industry, in all applications from drawing, rolling, forming, removal and protection.

The specialist range is for the metal manufacturing processes of copper, brass, phosphor bronze, beryllium copper, aluminium, aluminium alloy, plated metals, precious metals, nickel chrome and stainless steel.

With its strong brand, Q8Oils is committed to the worldwide wire and tube market with sales of specialised lubricants to customers in over 90 countries worldwide from the Americas to Asia via Q8Oils staff and a network of agents and distributors.

- Complementing the existing PRIAMUS, WIROL and ALUDRA ranges are new wire drawing lubricants which utilise the latest additive technology to provide enhanced lubrication, meeting all of the latest worldwide environmental legislation. Hence not only do they reduce the user manufacturing cost but are very safe in use. The new Germ-Allcard WIROL 2200 is already proven in drawing applications to the finest quality wire with finishing sizes of 0.007mm, seven microns, AWG 61.
- Germ-Allcard PRIAMUS emulsions for the drawing of aluminium and aluminium alloys.

- Tube forming and protective products for all welded tube applications in steel, stainless and galvanised.

These product lines complement the existing successful and widely sold product range for the drawing and rolling of copper and aluminium alloys as well as the extensive Q8Oils Metal Manufacturing product range and services. Supporting the customer with QCare service led initiatives including technical and application support, factory visits, product analysis, seminar training programs, equipment, system design advice and Q8Oils Engineers Guides, which are endorsed by the Health and Safety Executive.

Q8Oils Expertise

With decades of lubricant expertise, Q8Oils is in the unique position to share knowledge and industry insights with its customers. On the newly developed Q8Oils website you can find a variety of interesting articles on a broad range of topics. This is the place to be if you want to increase your technical knowledge or keep up with the latest evolutions in lubricants and their applications.

Stuart Duff, Business Development Manager for Metal Manufacturing of Q8Oils, having over 37 years' experience in the wire & tube industry has had many published technical papers. Recent publications include wire drawing productivity and emulsions for aluminium drawing, where Q8Oils is a leading supplier with water soluble products for aluminium rod and wire drawing.

For further information on Q8Oils products for the wire, tube and cable industries then contact Q8Oils at wire@Q8Oils.com and please make an appointment to visit us at our exhibition stand 11 D21.

Q8Oils

Together we can transform your business

Q8Oils has been manufacturing drawing and rolling lubricants for the wire and tube sector for more than 120 years.

Every day, across the globe, machines are running with our products. Whatever material is used in manufacture, product families like **Priamus**, **Wirol**, **Aludra**, **Tantaroll**, **Cylroll**, **Copprotect**, **Cyldraw** and **Cyldol** consistently guarantee the quality of the finished product while helping our customers achieve the highest levels of productivity and a safe working environment.

If you would like to speak to one of our application engineers, please email wire@Q8Oils.com

www.Q8Oils.com



Windak Group at wire 2022



Stand 10F37

On the 20th of June, 2022 Windak Group will be exhibiting at Wire 2022, taking place in Düsseldorf, Germany, at the stand 10F37.

This will be a very long-awaited exhibition for our company, as it has already been postponed several times due to the pandemic.

“Communicating with other business owners gives us a great opportunity to broaden our business perspective and exchange contact information, thus enabling the growth of our brand message and leading to partnerships”, says Olga Berlinberg, Marketing Manager of Windak Group.

Windak offers standard and customized automatic spooling, coiling and rewinding lines with a variety of different options.

This year we would like to focus on the theme of “Packaging” and demonstrate to our customers the various packaging options for wires and cables that can be produced on our equipment.

We continuously update our designs and services to improve performance.

Successful manufacturers getting future-ready by applying intelligence along three dimensions: efficiencies, experiences, and innovation. We inform you about all new software and mechanical updates, the latest know-how as well as the latest technical Industry 4.0 implementations.

The company’s core business is to provide its customers with high speed innovative automated cable packaging equipment to help them achieve their business goals, improve their returns and reduce costs.

Windak team is looking forward to your visit!
Tradeshow info
olga.berlinberg@windakgroup.com

WOLCO 30 years of experience



Wolco Ltd. celebrates its 30th anniversary in 2022. It is an excellent opportunity to sum up the company’s activities and set goals for the next years. At the moment, we are a leading producer of fine wires with a low-carbon steel core coated with other metals in Poland. Today our products are present in over 20 markets around the world, starting from EU countries and ending with North America.

Our main product is the welding wire for collated nails. Together with the wires supplied to the lighting and cable industries, they are the core of our business.

In 2019, we opened the Research and Development Center, which deals with the improvement of our current products, but what is more, it allows us to develop new products that have not been available on the market so far. It is equipped with the most modern testing devices, such as the X-RAY spectrometer for testing the applied coatings.

Our mission is to provide our clients the best value for money.

We hope that participation in Wire 2022 (for the third time as an exhibitor) will help us to set the above-mentioned goals.

Step into Maillefer's Circle at wire 2022



You will want to be present at the most important industry event happening in Düsseldorf, Germany, from June 20 to 24, 2022. Everyone who is anyone in the cable industry will be there. We are keeping with the biennial tradition of inviting our customers and visitors to Maillefer stand 10 / C22, where they will be greeted with innovation, exciting technology, smart solutions, and, most importantly, a competent and welcoming face. Discover how just another four years' worth of progress and developments are changing our industry.

A showcase of products will surround the Smart Circle, which is at the heart of the Maillefer stand. Leading technologies are integrated into our lines and components. Get to experience Smart Buffering, Roundness Optimization, Defect Detection, Preventive Maintenance, Sim Factory, Web NCC Curing Calculation, and more within the Smart Circle. With its neural networks and predictive models captured from real industry environments, artificial intelligence is thrusting production performance and product quality forward while ensuring that you stay well in control of the demanding extrusion process.

Two complete lines will be visible on our stand – a fiber optic secondary coating line and an imposing high-voltage CCV line. Curiously, they both fit on just a few square meters! Thanks to virtual reality and some powerful rendering, we are able to take visitors on an exploratory tour that reveals the winning designs and inner workings of the two lines.

Maillefer Smart Monitoring will be at work during the show, taking a variety of data from the stand, then crunching, compiling, correlating, and consolidating it into an informative display of the Smart Factory. Its remarkable flexibility makes it a

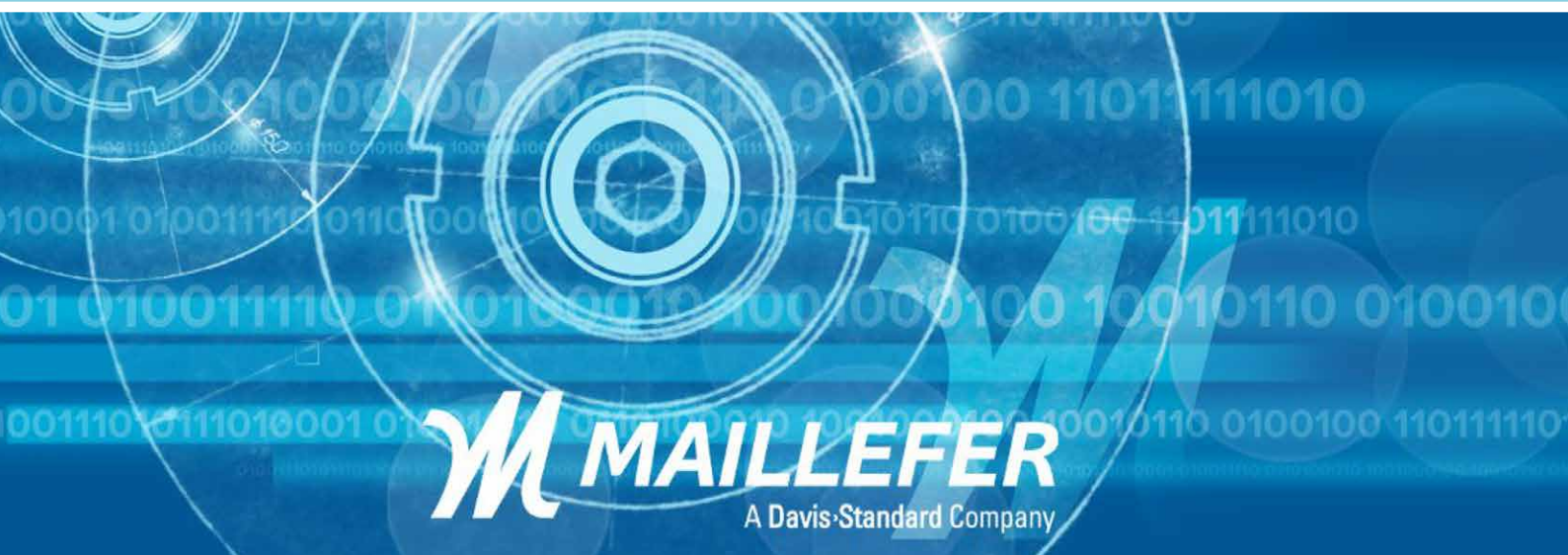
decisive tool for successful factory operation that adapts easily and evolves rapidly to individual needs.

Exemplary production sites around the globe are pushing the limits of wire & cable manufacturing. We are proudly listing more than a dozen of them as industry references. Learn about each of their successes and how Maillefer gets involved with practical solutions, know-how, and services.

For those who need to get their hands around real steel components, we will have lots of them on the stand. The exhibits include topography scanning of energy cable surfaces, new dual take-up for telecom wire, a choice of crossheads and extruders for low-voltage and fiber optic cables, a tape folding system, and more.

Much has happened over the past couple of years. Sustainability has taken a strong hold on our product designs and caused us to look closer at how we operate as a leading provider in the industry. Here too, we are excited to highlight the advantages our solutions provide in answering customer concerns regarding sustainability. Longer lengths, less scrap, optimum material consumption, tight tolerances, longer run times, equipment durability, and extended lifecycles through services and upgrades are immediate answers that Maillefer provides to today's customers.

Our multinational team is eager to welcome you to our freshly looking stand. We are joined by colleagues from Davis-Standard, as well as agents and representatives from around the world. Step into Messe Düsseldorf's hall 10 stand C22 during the fast-approaching five-day event; because being there is everything.

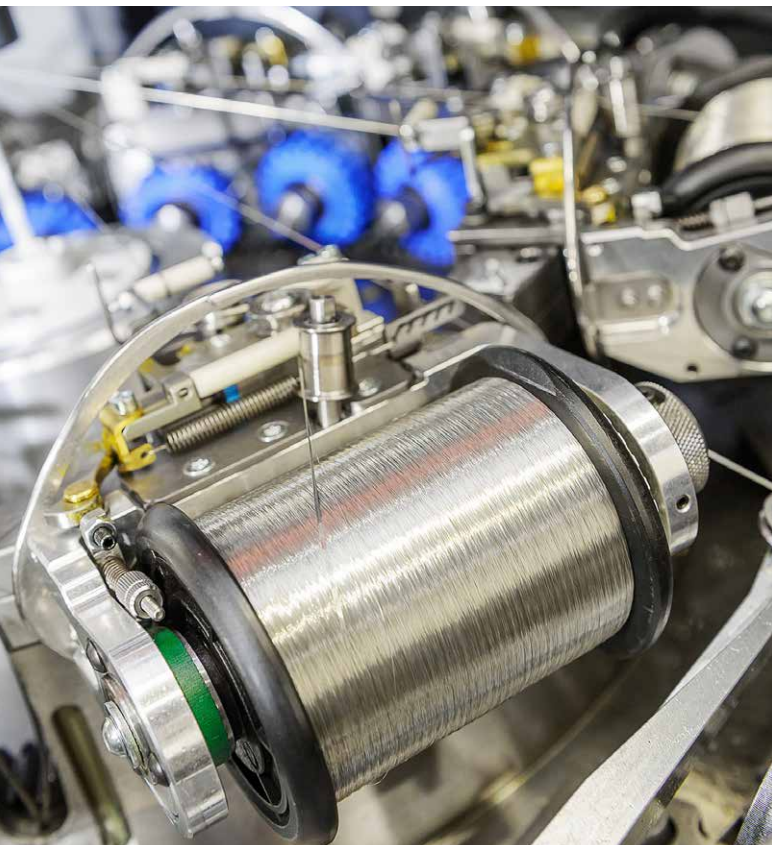


Niehoff Sustainability and energy savings

Niehoff at wire Düsseldorf, Germany, 20 – 24 June 2022, booth 10C06

Maschinenfabrik Niehoff will show at the wire 2022 trade fair at booth 10C06:

- a multiwire drawing line type MMH 112 + RM 202 + S 632,
- a BMV 16 type rotary braiding machine with integrated BAS 800 take-up and pay-off unit, and
- a D 632 type double twist bunching machine with ARP 630 pay off.



Rotary braiding machine type BMV 16, detail

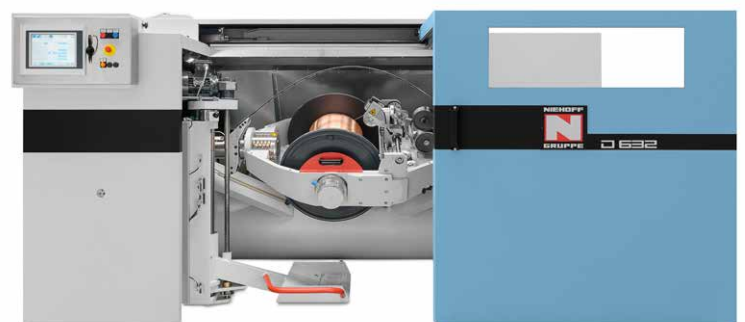
The MMH 112 + RM 202 + S 632 type line embodies a new generation of multiwire drawing lines for more energy savings and higher production speeds.

The BMV 16 type braider is connected with digitizing technologies enabling a considerable increase of rotational speed, material savings and quality improvement.

The D 632 type double twist buncher with new functions is able to produce hard copper-alloy strands e.g. CuSn0.3 with up to 7,000 tpm. The BMV 16 and the D 632 will be operational and can be demonstrated with wire.

Furthermore, visitors will learn how they can benefit from Niehoff's after-sales-service, from machinery upgrading possibilities and from Niehoff's digitization concept with the web application myNIEHOFF, formerly known as Niehoff Digital Assistant+.

Niehoff machines are characterized by an outstanding good energy efficiency. This means that during their operation the users can save considerable energy costs. In view of dramatically rising energy prices, this is a major competitive advantage. Furthermore, all Niehoff machines are designed to ensure sustainability, longevity and an economical consumption of materials. Tolerance specifications can be fully exploited.



Double twist bunching machine type D 632

PWM's best-selling EP500 rod welder on show at wire 2022

British company PWM (Pressure Welding Machines) Ltd will exhibit its full range of high-performance cold welders, including the best-selling EP500 rod welder, at wire 2022 (stand 9B41). Visitors will also be able to see demonstrations of PWM's P1500 machine, for material up to 30mm (1.181").

Sales of the pneumatically-powered EP500 more than doubled during 2021. Popular with manufacturers looking for energy-efficient equipment to support green production initiatives, the EP500 can be connected to a central air supply or a dedicated compressor. Electrical power is only required for the operating system. No set up is required and the EP500, for rod 5mm to 15mm (.197" to .590"), is low maintenance, reliable, user-friendly and safe.

The larger P1500 machine is equally energy-efficient. It is driven by three hydraulic pumps and only requires electrical power for the 11Kw pump motor.

Also on show will be PWM's lightweight hand-held manual machines for fine wire 0.10mm to 1.20mm (.0039" to .047") and a range of manual and powered models for wire 0.30mm to 6.50mm (.0118" to .256") that can be used on a workbench or supplied with a cart.

The company's precision-engineered products are designed and made in-house and tested to ensure total accuracy. PWM manufactures industry-standard cold welding dies and can produce custom-made dies for specific applications.

Sending our heartfelt condolences

The IWMA board is saddened to report the death of Ian Forster (78) of Altrincham, Cheshire UK, a former director of Leigh Cables and MD of IMF & B Ltd and Fine Wires Ltd.

Ian Michael Forster was born in November 1944, the youngest of three children. As a young adult he joined British Gas and met his wife Beverley, whom he married in 1971. The couple had two daughters, Jeanette (1976) and Lyndsey (1979).

Ian later worked for Nuclear Power, and from there moved to BICC as a purchasing manager. The move to the cable industry was a turning point, and he went on to start his own business, Performance Materials, supplying BICC and employing some former BICC staff – and his eldest daughter.

Ian started a second company, Fine Wires Ltd, and threw much of his energy into making it a success. Though his family thought he might never retire, in 2012 a routine medical check revealed a kidney problem that in 2015 resulted in Jeanette donating one of hers. He closed the business, allocating contracts and staff to other companies, but still continued to work a couple of days a week, as well as doing other small jobs to keep busy – his personal motto "Get on with it!" – coming heavily into play.

Ian's health deteriorated further during the pandemic, the onset of mobility problems resulting in falls, hospital stays and increasingly serious infections, to which he finally succumbed.



"Dad was always there for us and was a kind and generous man," said Jeanette.

"Since his death we have discovered just how generous he was to everyone who came into his orbit."

MIKROTEK

Precision with Economy

ONE STOP SHOP FOR DIE SHOPS

Natural Diamond Dies

PCD Dies

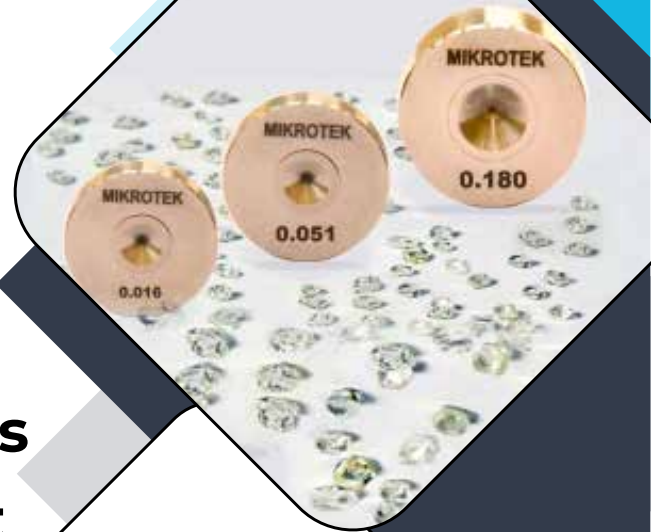
Mono Diamond Dies

Solid Enamelling Dies

TC Taper inserts & Tc Dies

Die Polishing Equipment

Die Shop Consumables



Ask for Free
Evaluation samples

We are marked for our
Quality and Quick Deliveries

For More Details

Mikrotek Machines Limited



An ISO 9001-2015 Certified Company

No.16, 2nd Cross, 'A' Sector Amruthnagar Main Road, Bangalore - 560 092, INDIA

Tel: +91 80 42688999 E-mail: info@mikrotek.org Web: www.mikrotek.in

Kyoto - A world leader

Headquartered in Kyoto, Japan, Kyocera is a world leader for manufacturing of fine ceramic components for the technology industry. Kyocera has been developing advanced materials, focusing on fine ceramics technology, for over 60 years. Kyocera now provides over 200 kinds of ceramic materials including oxide, non-oxide and some special composites, with cutting edge technology and services designed to meet the individual needs. We possess internationally recognized know-how in the field of high-performance ceramics, especially for ceramic-to-metal assemblies.

Kyocera supplies the most diverse industries and customers throughout the world with high-performance fine ceramics, ranging from very precise components to complex shaped parts of various sizes and dimensions for challenging applications. With our production and development location in Germany, Kyocera is able to respond quickly to the growing market demand for fine ceramic components in Europe even more. Kyocera companies benefit from the group's cross-departmental

way of thinking and working that goes beyond different industries and countries - ensuring maximum reliability for our customers.

The technology of machines and systems for wire drawing has been proven and reliable for over 50 years. In this well-established system Kyocera stands out by offering high-quality products, that can help reducing wear and optimizing production steps. With decades of experience, KYOCERA Fineceramics Precision GmbH achieves outstanding product quality. Furthermore, Kyocera supports its partners in all questions concerning the wire drawing process. Our employees are always happy to provide their customers with competent advice, whether it is the use of lubricants, the correct draft, assistance if wire breaks occur or if there is excessive wear on the ceramic parts. Thanks to their excellent networking in the industry and their comprehensive knowledge, our experts can quickly help you with all questions concerning the wire drawing process.

Supermac growing rapidly and offer variety of products and solutions

Supermac Industries India supplies a variety of extrusion lines for Power – HV and LV Cables (including CCV lines), Automotive and telecom cable segment . Supermac is the largest supplier of CCV Line in India since 2005.

In its endeavour to continuously improve and with strong R&D efforts, it is now fully geared up to offer Cat 5, 6 and 7 , Data cable , FTTH drop cable, Fluoropolymer products -FEP, PTFE etc and Silicone lines with an Infra-red vulcanization system.

5G is shaping the future of communication and will even push fibre optics all the way to homes. Worldwide demand of FTTH cables is on the rise. Supermac offer a high speed FTTH optical fibre line which is a masterpiece of Supermac product portfolio. The line is equipped with very high precision tension control devices, which runs in a complete closed loop system. The special design extruder offers the perfect extrusion and provides the online diameter control, capacitance monitoring system. There are various combinations e.g. Tandem, Co extrusion or Single Extrusion, with incorporation of many types of fillers, yarns and on line corrugation facility.

Supermac offers state of the art high speed tandem line for data cable manufacturing. The tandem Extrusion machine for LAN Cables intakes the solid copper and draws and anneals it on line before putting it through the extrusion process. The special design extruder design and cross head gives the high eccentricity. The line has an online diameter control, capacitance monitoring system on wire. The line is equipped with high speed dual take up for continuous production.

To meet FEP/PTFE cable requirements for military applications, aerospace and aircraft equipment, OEM and Nuclear power products, Supermac offers specially designed high speed extrusion lines for FEP/PTFE. Fluoropolymers are among the most corrosive materials for processing in standard extrusion systems. The screw and barrel are specially designed and special material is used to take care of highly corrosion-resistant materials during extrusion. Custom-designed screws meet the differing processing temperatures of FEP.

Supermac is also heavily focusing on medical equipment extrusion lines in global markets. Supermac, provide innovative solutions not only for the equipment but also thrust a lot on the automation and exceeding the needs of the customer in terms of higher productivity and lesser operational cost. Supermac offers quality products and offer new technologies and cost-effective solutions.

Supermac Industries in its endeavour to conform to Industry 4.0 norms has taken strong strides forward in implementing several digital initiatives, especially with regard to Industry Internet of Things or IIoT, which plays a key role in enhancing the areas like Process Optimization, Quality Control, Cross-vendor Shop Floor Integration, Energy Efficiency Predictive Maintenance, Data Security. We have been able to implement such initiatives in wire and cable industry successfully and looking forward to collaborate with our existing and future customer base and scale up on this initiative.

Worldwide there is a strong focus on safety. For its customers who are in need of equipment required for making fire alarm and high temperature Silicone cables, Supermac can offer a complete end to end solution.

Ajex & Turner Technologies

Driving Excellence in Tips, Tools and Dies for the Wire and Cable Industry

Company Description

Established in 1962, Ajex & Turner is a technology-driven company. The company manufactures range of solutions such as Diamond wire drawing dies, Diamond tools for Fastener, Automobile, wooden, tool room industries. In 1976, the company partnered with Dee Beers, England, The outcome of the association was Diamond Tools with the technical support from Dee Beers. Then in 1982, the company forayed into diamond wire drawing die industries with technical support from Mr. David Turner, Chairman, Turner & Sto Limited, UK.

Following the legacy in 1998, Mr. Ravi Bansal, Son of Mr. J.S. Gupta, on boarded the company and received his training from Hoosier Ajax, USA.

Main Areas of Company Activity

In 2000, the company acquired a few financially struggling companies including – Johnson Metals & Dies, Adelfi, TDDP dies which were pioneers in manufacturing wire dies in Europe and USA. Consequently, all the American as well as European production lines were installed in the Ajex Plant with new and improved technology and abilities. Today Ajex & Turner exports globally all products.

Product Range of the Company

Ajex & Turner has been consistently providing a complete range of tooling, machineries, and accessories for various industries including the wire and cable industry. We manufacture, PCD, natural diamond, trapezoidal shape dies, extrusion tools, Diamond Tools, Cross Heads, Spiral brush, Sector Rollers, Automac Polishing & Grinding machines and Lubricants for Copper, aluminium and Steel industries

New Development

In 2011, the company had started manufacturing VNT Nano dies (Vetrified Nano Technology) and become the only company in the world to manufacture VNT dies for soft and hard wires. These dies find extensive applications in bunching, compaction, stranding dies made for copper as well as aluminium 50mm to 2000 sqmm and which ensures savings of both energy and metal of around 3-4%. The VNT nano dies act as an excellent replacement of PCD Dies which are less expensive than PCD. However, VNT Nano Dies are cost-efficient and scratch free for low carbon wire, CO2, and stainless steel wires, thereby being the suitable alternatives to replace PCD Dies.

New Development – Extrusion Tips & Dies

In 2010 Ajex & Turner procures Swiss Technology for manufacturing extrusion tools tips and dies. Ajex & Turner extrusion tips and dies are used in the manufacturing of power cables, control cables, telecommunications, optical fibre, speaker cables, etc. The extrusion tips and dies are being manufactured as per customer specification, with very high quality, in Hardened Steel, PCD and TC insert

New Development - Masterlube Lubricants for Copper & Aluminium Wire Drawing

In 2015 Ajex & Turner Developed in house Lubricants for Copper & Aluminium Wire Drawing. Masterlube Lubricants are very cost effective & efficient quality.

Quality Control System

Our company is equipped with all kinds of technologically-advanced manufacturing testing equipments in wire drawing dies and our workforce consists of professionals. With time, Ajex & Turner has established close technological communication with all major and well-known domestic and foreign manufacturers of the wire and cable industry.

Market Trends in the Wire and Cable

The global industrial cables market is expected to witness significant growth over the forecast period owing to high capital spending and investments in industries worldwide. Raw material prices coupled with rapid industrialization is expected to drive the market growth over the forecast period. In recent times, several developing economies have witnessed rapid infrastructure development, which has further spurred the market growth. Additionally, increasing energy demand and utilization in emerging markets such as Asia Pacific is also projected to fuel market growth. Increasing electricity consumption paired with the consequent need to expand the distribution network may fuel the demand for the industrial cables industry.

Government interest in the power sector is estimated to primarily drive the industrial cables market growth over the coming years. The market is poised for growth owing to strengthening of regional transmission networks paired with increasing electricity demand. Surging demand across the electric power industry in Asia Pacific. Data communication, rail transit, automobiles, and shipbuilding industries are also expected to catapult market growth.

Manufacturers are expected to adopt strategies to counter the competition and survive in the market which primarily includes mergers and acquisitions.

Projections for 2022

The demand for wires and cables has been exponential in the past few years. The expansion in the power sector and the revamping of power transmission lines across the country has been providing a sharp impetus to the growth of the industry. Moreover, telecom-related initiatives along with rising number of data centres have been a major driver of the growth in the optical fiber cable segment. As far as my foresight about the wire and cable dies market is concerned, the demand in these various segments in addition to rising investments in the same, are going to be conducive for the growth of Dies and tools for wires and cables, accordingly we at Ajex are also expanding our Production facility with fully automatic machines.

EUROTEK SRL

Hall 11/G22

Eurotek will present the three most impactful innovations

•RHEOLOGICAL AND THERMAL BEHAVIOUR CALCULATION

It solves the processing issues by locating the root cause, improves the extrusion line performances, and reduces the time-to-market while dealing with a new project.

•LARGE-SIZED EXTRUSION HEADS

For the extrusion of off-shore pipes, HV cables, cables up to 300mm.

•SPECIALIZED EXTRUSION HEADS

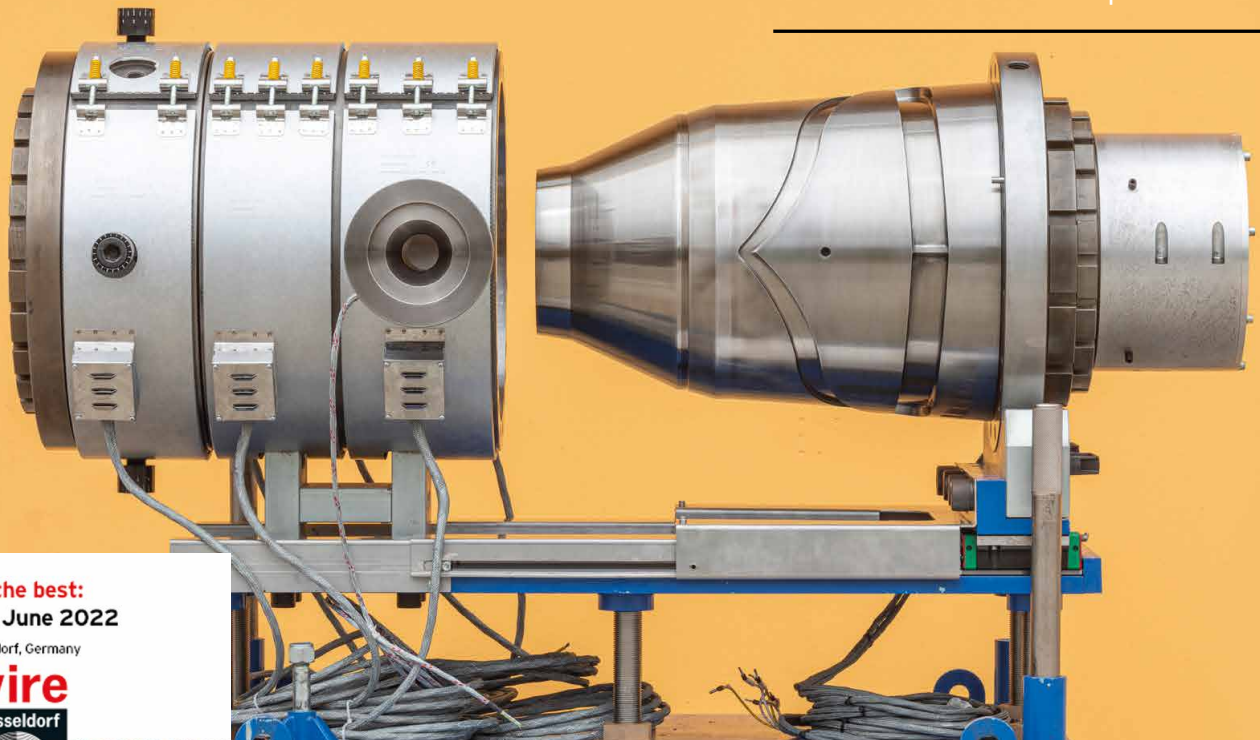
For special applications such as fiber optic cables, flat cables, fluoropolymers, technopolymers, and so on.

For over 3 decades we have been producing extrusion tooling, extrusion heads and related accessories for companies specialized in the production of electric cables, pipes and manufacturers of extrusion lines.

Eurotek extrusion heads are designed for all types of extrusion processes, and each one of them can be customized.

We manufacture a wide choice of multiple ranges of standard and customized extrusion tooling for any kind of application along with spare parts for extrusion heads, AirWipes and Precision Cutters.

**Since 1993, Eurotek
Extrusion Heads Leader**
Eurotek's Extrusion Heads
can process products
from less than 1mm up to 300mm



join the best:
20 - 24 June 2022

Düsseldorf, Germany

wire

Düsseldorf



Please visit us at: Hall 11 / G22

www.eurotek-italy.it

EUROTEK
EXTRUSION HEADS LEADER

InnoVites CableERP

InnoVites CableERP is an ERP software, exclusively developed for the wire & cable industry. Starting in 2007 InnoVites has continuously enhanced CableERP, based on the Microsoft Dynamics technology.

CableERP brings the best practices of the industry to our customers, leveraging our in-depth knowledge of the business issues in the wire and cable industry and the innovative Microsoft technology.

Features

The CableERP software is a comprehensive cloud-based ERP solution built on top of Microsoft Dynamics 365 for Finance and Operations (D365FO). InnoVites adds industry specific functionality to this world-class enterprise platform:

- Capturing detailed cable requirements of the customer, like lengths, length tolerances, drums, put-ups to maximize customer satisfaction
- Material price module, to manage Comex/LME pricing and minimize risk of price volatility
- Length optimization in cutting, planning and production to minimize material costs
- Full traceability of lengths and drums
- Full integration in CableSuite to provide our customers the benefit of an integrated business solution covering all business functions in the company

As a Microsoft Dynamics partner, InnoVites is the global competence center for the wire&cable industry. We always work with local partners close to our customers. This gives our customers the best of two worlds: a local partner for optimal support and industry specialists that understand the unique business challenges in the wire&cable industry.

We look forward to meeting you at our booth at the Wire Düsseldorf: 11C16! Alternatively, contact us anytime if you are interested in a demonstration of our software solutions.

CableSuite Enterprise Software for Wire & Cable



Cimteq all set for Wire Düsseldorf

Cimteq looks forward to welcoming manufacturers from across the industry on their stand at the forthcoming Wire Düsseldorf event between 20 – 24 June 22.

Speaking about the event, Amanda Shehab, Director at Cimteq, said: “Wire Düsseldorf is an important event on the wire and cable manufacturing calendar. With the long break in face to face events, we are certain that this year’s show will be better than ever. I will line up alongside expert members of the Cimteq team to showcase the unrivalled software programmes we offer to help manufacturers maximise productivity and profitability.

“We welcome the opportunity to meet with existing and prospective customers and would like to invite anyone interested in securing a meeting with us to email info@cimteq.com.”

Powered by state-of-the-art technology, Cimteq’s innovative software and support services: Cablebuilder Enterprise, CableMES and ERP integration enable manufacturers across the globe to be more profitable through the streamlining of business and manufacturing processes.

Using the latest Industrial Internet of Things (IIoT) to optimise cable manufacturing operations, Cimteq can work with companies of all sizes, from small, single-plant manufacturers to multi-plant global entities.

Cimteq’s innovative software solutions, designed specifically for the global wire and cable manufacturing industry, are live in over 250 plants across 44 different countries.

Visitors to Wire Düsseldorf are already securing meetings with Cimteq to view demonstrations of all products. So don’t miss out on the opportunity to book your appointment.

Cimteq will also be officially launching a partnership with AESA Cortaillod at the event. Both companies will be able to showcase how Cimteq’s CableBuilder Enterprise and AESA’s quality management software, CIQ, can bring added benefits to manufacturers when working in unison.

Visit Cimteq – Hall 11 / D15

High stroke and sustainability from IDEAL- Werk

“What’s new?” - This will probably be the most frequently asked question IDEAL-Werk will receive from its booth visitors at “Wire 2022”. As in every year of the exhibition, IDEAL-Werk will present the answer to this question in form of two different exhibition machines.

As a small preview for this year, the GAM_816 as a classic machine for the industrial sector and the CSR_102 as an NC jig welding machine for individual wire products will be presented and shown comprehensively at the “Wire 2022”.

In today’s modern times, the quality of products usually takes quality over quantity.

In order to achieve full customer experience and satisfaction, both areas are addressed and innovations are divided into solutions for both: more quantity and more quality. IDEAL-Werk achieves this by drawing on years of experience and customer satisfaction to keep its finger on the pulse.

With the new GAM_816, IDEAL-Werk has succeeded in developing a new cross wire magazine with over 200 strokes.

Furthermore, the machine has a penetration depth control. This item controls the quality of every single cross weld and increases the quality assurance.

The NC jig welding machine for individual wire products is predestined for free and stepless use. The machine offers unlimited flexibility and great advantages in templating. To push this advantages in the future, all welding presses will be NC-driven and individually controllable.

In order not to lose sight of the important aspect of sustainability, IDEAL-Werk is moving away from pneumatic steering to electrically powered steering in our machines.

This energy requirement is taken from renewable resources.

After a long “Corona forced break” IDEAL-Werk is looking forward to get in touch again in person at the “Wire 2022” and to have interesting discussions with all customers and visitors about these and many other topics.

TapeFormers LTD Hall 11 Stand C22

TapeFormers LTD will be exhibiting their full range of TapeFormers, Model H Plus to replace the Model I which has been discontinued, its 200cm long with a curved entrance and Model A Profile E2 double wrap TapeFormers. Our dedicated TapeFormer brochure will be available from our stand. Directors/Engineers Robert (Bob) and Ashley will be attending Wire 2022 and available to discuss any upcoming projects / product developments or if you have any questions on our products, they will be more than happy to answer them. TapeFormers LTD is based in the Midlands – United Kingdom – on receipt of your order our skilled and experienced team will manufacture your order to your specific requirements we do not hold any stock of TapeFormers.

Visit Madem Reels Group at wire 2022 - Hall 11 H-21

Madem Reels Group the leading wooden cable reels supplier in the world. Madem Group with headquarters in Brazil has forests, sawmill and manufacturing plants in Brazil, Spain, Bahrain, USA, Mexico and Colombia with more than 700 employees and produces 450 containers/trucks of knock down reels per month supplying 150 cable plants in 45 countries.

Today the Madem name represents over 70 years of industry experience. The Madem team constantly strives to build trust and confidence by offering customers a superior quality product.

<http://www.mademreels.com/en/>



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- **EXTRUSION TOOLING**
- **PREFORM HEADS**



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BAR Products & Services Ltd

www.barproductsandservices.com



Ambrell, a leading manufacturer of induction heating solutions, will be exhibiting at Wire Düsseldorf. At the event, an Ambrell EASYHEAT induction heating system will be on-display for induction demonstrations. Additionally, an expert applications engineer will be available to discuss attendee heating applications. Visitors are encouraged to bring parts and/or drawings to the stand.

Induction is a rapid, non-contact, precise and efficient method of heating. It's also a greener option and part of many electrification initiatives where companies switch from gas flame and oven heating methods. Induction offers instant heating, so there's no ramp up time, and there's no open flame making for a safer working environment.

The technology is used for an array of heating applications, including the preheating, post heating and annealing of wire. Ambrell offers complimentary parts testing and has sold over 17,000 systems into more than 50 countries. Systems are available ranging from 500 W to 1,000 kW. To learn more you'll find Ambrell in hall 11, stand C15 or visit www.ambrell.com.



RichardsApex, Inc Hall 9 Stand 9F06-05

RichardsApex, a leading global manufacturer of wet lubricants for the ferrous, nonferrous and alloy wire and tube industries will be displaying the latest technology in Hall 9 Stand 9F06-05. From wire drawing, tube drawing and hot-rolling applications, RichardsApex Inc., provides semi-synthetic, full synthetic and straight oil form compounds for wet drawing of nonferrous and ferrous wire as well as protective coatings, cleaners, corrosion inhibitors for all nonferrous and ferrous alloys for both wire and tube applications. Its core products can be made at all of our manufacturing locations in the U.S., Europe, Australia, Mexico. With our rich history, RichardsApex has an established global sales network to service customers throughout the world, including on-site support and technical sales assistance. The company has subsidiaries located in both the U.K. (RichardsApex Europe) and in Australia (RichardsApex AustralAsia), and representatives in Canada, China, Greece, India, Italy, Japan, Korea, Malaysia, Mexico, Peru, Poland, Russia, Taiwan, Thailand, Turkey, Venezuela and Vietnam, with many other countries serviced by the subsidiaries and representatives. Please stop by and see how partnering with RichardsApex can help your company achieve your goals for production and cost savings. www.richardsapex.com.

Mathiasen Machinery at wire Düsseldorf

Hall 12 Stand A55

Mathiasen Machinery will be displaying photos of a wide variety of new and secondhand wire and cable manufacturing machinery. The 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. Secondhand machines are bought and sold internationally.

Do you have any surplus machinery for sale? MMI has interest in locating individual machines, complete lines or entire plants. They also offer consignments, warehousing, rebuilding, appraisals and liquidation services. Serving the domestic and international Ferrous and Non-ferrous wire machinery markets for 40 years. Customers are asked to bring their surplus machinery list and photos for evaluation.

Metalube

Hall 11 Stand G21



METALUBE®

For over 30 years METALUBE has delivered high performance products that have optimised production on the latest wire drawing machinery.

At WIRE 2022, METALUBE will highlight next generation advanced wire drawing lubricants, including full synthetic technology, and bring together their team of highly trained development chemists, engineers and industry experts from around the world. METALUBE's latest synthetic range of lubricants are helping customers achieve environmental targets, whilst also optimizing quality and performance for their wire production.

Visit METALUBE at Hall 11, stand G21 to learn how METALUBE can help you. www.metalube.co.uk

UPCAST OY is the exclusive supplier of the original UPCAST® continuous casting technology - First in upcasting.

UPCAST® casting process produces top quality Cu rod and cast tube for various applications. It is a simple, reliable and cost-effective process with easy operation through an advanced control system. UPCAST® process allows you to cast different rod sizes simultaneously and both production output and product mix can be easily adjusted according to the daily market demands. Also, its optimized energy consumption minimizes the production costs at the end.

UPCAST® lines are well suited for various materials, main applications being pure OF-copper and copper-based alloys as well as other non-ferrous metals.

Now that automotive industry is going more and more electric and also the need for high-speed trains is growing, UPCAST® can offer the technology to produce high-quality rod for these growing sectors.

UPCAST OY has been the leading innovator in using recycled material, which is, as we all understand, more and more important in today's environment.

The lines are available for a wide capacity range in single-, double- and triple-furnace configurations. Triple-furnace configurations offer advanced solutions for the handling of recycled material.

UPCAST® lines can be customized to match the needs of each specific customer.

Customer Service Team is ready to assist and deliver to you original UPCAST® spare parts and consumables as well as answering your requests for any matter requiring service or instructions.

We are at your service via email or on the phone or on site if required – continuously!

YOU ARE WELCOME TO VISIT US at wire & Tube Düsseldorf to discuss the solution for your needs - Stand No. 9C06 / wire and No. 6A01 / Tube



SIKORA at wire 2022: innovative and sustainable measuring and control technologies **Hall 11/G22**

- o Online quality control of cables to increase quality, efficiency and sustainability
- o Future oriented X-ray measuring technique ensures maximum material savings
- o Premiere: extremely fast tension measurement of optical fibers with the FIBER TENSION 6003
- o Interactive exchange in the "Solution Corner" – customer visions for a measuring technology of the future

At wire 2022 in Düsseldorf, from June 20-24, 2022, SIKORA presents a broad portfolio of future-oriented measuring and control systems for an efficient and sustainable quality control for the wire and cable, optical fiber and plastics industries.

Numerous intelligent technologies, for example, for online measurement of wall thickness, eccentricity and diameter of cables, confirm SIKORA's claim to develop and provide innovative and sustainable measuring solutions for the global cable market. For almost five decades, SIKORA measuring systems have contributed to quality control and a simultaneous reduction of plastic material during cable production. This saves costs and contributes to a sustainable production. Up to 5 million tons of carbon dioxide are saved annually by using SIKORA measuring devices.

At wire, visitors can experience the performance of the measuring devices during extensive product demonstrations. One highlight is the X-ray measuring system X-RAY 6000 PRO that is used for the measurement of wall thickness,

X-Ray_6000_PRO
The X-ray measuring system X-RAY 6000 PRO ensures precise measuring and control of the cable dimensions for more cost efficiency and sustainability.



eccentricity, the diameter and ovality of cables with up to three different material layers, for example in insulating and jacketing lines. As a pioneer in X-ray measuring technology for cable extrusion, SIKORA has been setting trends for 30 years. The combination of the X-RAY 6000 PRO with the processor system ECOCONTROL 6000 allows for an automatic control of the wall thickness. By reducing the wall thickness by, for instance, 5 %, not only raw material consumption is reduced, but plastic material savings in the six-figure range are also achieved.

The quality of a cable starts with the pureness of the raw material. Thus, SIKORA also offers online and offline inspection, sorting and analysis systems for plastic pellets. By using inspection and sorting systems, contamination can be detected and automatically sorted out, breakdowns eliminated and material costs saved. Besides economic advantages, the environment can be preserved at the same time due to less waste.

With the premiere of the FIBER TENSION 6003, SIKORA widens its product family for quality control of optical fibers. The gauge head offers an extremely fast, reliable and precise tension measurement and control. Due to the high measuring rate of up to 10 kHz and the application of the birefringence principle, the stand-alone gauge head is particularly attractive for manufacturers of high-end solutions. The FIBER TENSION 6003 is predestined for optical fibers that are further processed into premium optical fiber cables. The FIBER TENSION 6003 can be used for hot as well as cold measurement of the bare fiber.

Maintaining the availability and efficiency of the SIKORA systems at the customer's site is SIKORA's top priority. At wire, the SIKORA service team presents the entire range of its service portfolio. From installation and commissioning of the devices to consulting and training, always fitting to the individual customer requirements.

Turning ideas into innovations and product developments that achieve the highest quality, sustainability and cost effectiveness in the wire and cable as well as plastic industry is SIKORA's claim. The company emphasizes this at wire with the "Solution Corner". Customers are invited to personally discuss with SIKORA experts their ideas, visions and technical requirements on the systems for quality control for the future of measuring technology in a creative atmosphere. SIKORA's presence at the wire 2022 promises pure quality, innovation and sustainability.



FIBER_TENSION_6003
The new FIBER TENSION 6003 measures the tension of optical fibers in the drawing tower.



SERVICE PROVIDER FOR ALL MACHINE BRANDS

→ Drawing machines → Stranding machines → Extrusion machines

- Spare Parts
- Process Improvements
- Electrical Control Upgrades
- Reconditioning
- Machine Installation
- Precision alignment

WWW.ACOTEQ.COM

ACOTEQ GmbH
Am Handwerkerzentrum 1
52156 Monschau / Germany
info@acoteq.com



New investments by Üntel Kablo ensure cable quality

Our world has faced severe global issues during the past few years, namely the Covid-19 pandemic, political crisis, trade wars, and international wars, all of which have affected supply chains. Due to recent geopolitical and trade issues, some companies have moved their supply chain activities out of China and now from Russia. These are all very challenging aspects of the current situation the world finds itself. On the other hand, it has created advantages for some countries and companies, too.

It won't be wrong to say that the cable industry has been doing well across the World. Many cable manufacturers are satisfied with increasing demand, and reputable Turkish cable manufacturer Üntel Kablo, which has celebrated its 50th anniversary in 2022, is no exception, by delivering a solid financial position during challenging times, and resulting in the company committing some critical investments in its cable facilities, machinery, staff, crucial certifications and quality standards.

Üntel, which has operations in Kocaeli, northwest of Turkey, has years of experience in manufacturing rubber and special cables since its foundation 50 years ago. Since moving to its new facility in 2010, it has kept solid and continued investment in machinery and new technologies.

To increase its production and capacity, Üntel is planning to construct the second phase of its cable manufacturing plant, once all the necessary planning permissions are approved.

Moreover, during the summer of 2022, the company plans to add a new CCV line for rubber cables and twisting machines & bunchers to help increase demand and shorten lead times for its partners and end-users – all good news for the industry.

The cable manufacturing plant equipment and expansions are all acquired from global leading cable machinery manufacturers to uphold its end cable product quality. Furthermore, to ensure cable quality, the company has developed its team with quality staff in its plants and service departments – to build on its already respected reputation amongst its partners from various industries, globally.

The new machineries will manufacture new product groups, which build on Üntel's recent investment in its new R&D facility and team, who are working hard to develop and enter new global vertical markets through vigorous research, testing and quality. The continued investment in certification and type approvals from leading certification and standards bodies ensures peace of mind from its partners and end-users.

Üntel is a registered and preferred supplier of many of the world's leading companies. It exports cables to over 80 countries on 6 continents, with 60% of its manufacturing dedicated to these markets, boasting over 250 International Certificates for its 15,000 strong cable product range. The company has also achieved ISO Turkey's Top 500 Industrial Enterprises last year for the first time in its history to rank higher in 2022.



Quality Through Experience

SOLUTION PARTNER FOR CABLES



With half a century of experience and innovative vision, by means of our high-tech factory and expert team, we continue to grow by increasing our contribution to our country's economy by **exporting over 80 countries on 6 continents**. We provide cable solutions to industries such as, power plants, factories, shipbuilding, mining, airports, railways and defense industry.



Pentre Group

For all your packaging & process solutions

Hall 9 Stand E25

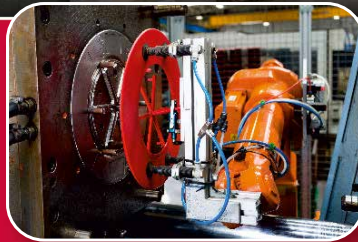
 sales@pentregroup.com

 www.pentregroup.com



○ St Helens, UK

Design & Manufacture of Offshore
Steel Drums, Cradles & Lifting Beams



○ Leigh, UK

Wood & Plywood Reels
Plastic & ABS Process Reels



○ Rakovník, Czech Republic

Steel Reels & Drums

Pentre gear up for a future increase in electrification.

A new electrically powered age will take years to play out however Pentre is well positioned to serve accelerated developments in all sectors of the Wire & Cable industry.

2021 has been an intense year, full of new developments such as strengthening the U.K. Technical Department in its Offshore Engineering Division and a planned phase of capital investment for all three of Pentre's sites. New plant and upgrading to more energy efficient equipment and further development of 3D Modelling, SAP software and storage facilities. Total spend in the year to 31st March 2022 of £1 million pounds.

About Pentre Group

Founded in 1988 by Mike Seymour (the business is currently owned by its second generation) now employs 175 people on 3 manufacturing sites, two in the North West of England and since the year 2000 one in the Czech Republic.

Pentre Group has a 30 year history of operating in Europe and the USA with its principal Sales Offices in Greater Manchester U.K., Copenhagen, Denmark, Saalfeld, Germany and Atlanta, USA.

Despite the trend to online sales we still believe in face to face factory visits to gain a better understanding of customer needs. We are now confident to resume these & look forward to welcoming customers to Wire 2022 in Dusseldorf this June at Hall 9 Stand E25.

Key Personnel

Mike Seymour
Director and Founder

Richard Johnstone
Director & General Manager
Wood & Plywood reels
Plastic & ABS Process Reels

Craig Currie
Technical Sales Manager
ABS & Steel Reels

Teddy Crockwell
Technical Manager Offshore Engineering

Lucie Dražilová
Commercial Manager
Pentre Kovo Czech Republic

Hans Vielmuth
Sales Manager
Germany & Eastern Europe

Thomas Gørrissen
Sales Manager
Scandinavia & Netherlands

Gurfil, operating since 1981...

Operating on the cable market since 1981, Gurfil has established itself as a reliable supplier of Braiding and Taping machines, as well as a cable raw materials manufacturer. Exporting 75% of the goods manufactured by the company, Gurfil presents its products to the international markets in more than 35 countries. In order to keep up to date with industry trends and developments Gurfil attaches great importance to a participation in major exhibitions that cannot be missed. After all, any exhibition is like a mirror: it reflects the trends and prospects of the industry.

As Gurfil over the years we are proud to be one of the exhibitors within the leading international trade fair for wire and cable production. After the pandemic-related break in 2020, Wire will finally open its doors in Messe Düsseldorf in June 2022. By using this platform Gurfil finally has a possibility to introduce booth visitors its last solutions, discuss cooperation opportunities and exchange ideas in person with decision makers in the industry. Gurfil as a member of IWMA, official sponsor of Wire Düsseldorf is proud to serve its customers throughout the world with Foil – Film – Tape products together with Machinery, offering commissioning, after-sales technical service and all spare parts from its warehouse with professional service team. Gurfil products are divided into three main groups:

- 1) Machinery group including: High Speed Vertical Braiding Machines and Mica Taping Machines in various modifications; Accessories and spare parts.
- 2) Foil, Film and Tape Group : flexible raw materials such as ALU/PET, ALU/PVC, ALU/PET/SY, CU/PET. Cu/PET/ SY laminates, Polyester film, Pure Copper tape, Mica Tape, Foamed PP Tape , Kraft Paper & Crepe Paper , PP Identification Tape , Fiberglass Tape , Semi Conductive Tape & Swellable Tape , Non Conductive Polyester Non-Woven Tape , Rip Cord Yarn, fiberglass Yarn, Waterblocking (Swellable) Yarn;
- 3) Wire Group including, Aluminum Alloy Wire (0.12 mm, 0.16 mm), CCA and CCS, Skin-Foam-Skin 3 Layer Physical Foamed Conductors

Based on over 40 years of experience and our own research results, we introduce equipment and technologies for the cable industry, supplying not just machines and raw materials, but developing complex technological solutions designed to satisfy all the production needs of our customers' cable production.



We invite you to visit our stand 9A74 from June 20 to June 24, 2022 at Messe Düsseldorf, Germany. We'll be happy to welcome you at our booth to share our experience!

FIB Belgium

Hall 11 Stand C60

FIB BELGIUM is a world leader in supplying heat-processing lines such as patenting, galvanizing, oil tempering and annealing lines, bell and pit furnaces for cold heading quality and batch annealing wires but is also a supplier in the framework of hot dip galvanizing plants for pieces.

Since 1936 FIB BELGIUM has designed the finest technology, employing automation for its equipment to reduce operating costs as well as using a modular concept that allows for adaptation of further upgrades while minimizing the investment costs.

Our teams having faced new challenges related to energy transition, water savings, limitation of CO2 emissions, more friendly Human Machine interface, safety for the operators, compactness, remote support and diagnosis, those thematic have been especially worked in the design of our lines and equipment.

In this framework FIB will present its solutions on:

- Cutting your water consumption in pickling by 4
- Decreasing your CO2 emissions and gas consumption on your annealing/austenitizing process up to 25% thanks to IMFLEX, the ultimate low energy gas heated furnace.
- Energy recuperator (significant gain in efficiency and CO2 cut) to add to your new or existing equipment
- Decisive energy savings for galvanizing baths by intense preheating of the wires (more compact galvanizing tank up to 30% - gas savings between 20% and 25%)
- Handling of hydrogen in combustion
- Safe remote control of the line or the equipment to accelerate diagnosis and technical support
- High efficiency electrical heating annealing unit when required
- Offline galvanizing line
- Lead free patenting by polymer solutions
- Upgrading existing equipment to meet European safety standards

You are welcome to visit our booth 11C60 from 20 to 24 June 2022 at WIRE DÜSSELDORF 2022.

Microdia

S.A. Switzerland.

Hall 11, Booth D25

Microdia S.A. Switzerland. Hall 11, Booth D25

For more than 40 years Microdia has designed and supplied high quality tooling and cross heads for the wire & cable industry and precision tubes manufacturer.

Microdia's precision cross heads program comprising manual center, fixed center and MFLEX, fixed center with manual fine centering will be presented, along with fully operational "bleed out", "cross flow" quick color change cross modules and skin-foam-skin + stripe cross head with 3 or 4 extruders. Single, double or triple layer cross heads application ranges from medical tube, precision pneumatic tubes, optical fiber buffering, micro-coaxial, automotive wires, flat cable, fluoropolymer insulated wires and more.

All Microdia's products, cross heads, tools, etc. are exclusively designed and manufactured in our own works in Yverdon-les-Bains, Switzerland.

On the booth and the mezzanine, Microdia specialists speaking French, German, English, Italian and Spanish will be available to describe all the advantages of Microdia original cross heads, by-passes and tools.

Microdia, Swiss precision for the World.



Rautomead Limited Stand 10 B 56

Rautomead will be presenting its new model RS 3000SX continuous casting machine for the manufacture of extra-low oxygen content CuOF rod. Rautomead's standard graphite furnace technology will produce low oxygen CuOFE (<5ppm) copper rod which is suitable for most oxygen-free wire applications. Technical requirements from the automotive industry are driving demands for even lower oxygen content copper rod, e.g. for use in the manufacture of high efficiency bar wound electric motors. The enhanced graphite crucible electric resistance furnace design of the RS 3000SX, combined with modified tooling and production techniques, improves the oxygen reduction capability of the graphite technology system to produce extra-low oxygen content copper rod.

Rautomead will also be promoting its RSL sealed lid continuous casting technology, designed for processing progressive alloy rods such as copper chrome zirconium, together with its conventional open-furnace models for producing high-purity oxygen-free copper wire rods and also conductor alloy rods such as CuMg, CuAg and CuSn.

This high-quality, low-cost, continuous cast rod material benefits manufacturers of bar wound motors, enamelled wires, superfine wires, LAN cables, wiring harnesses, railway wires, shaped, contact wires, CTC and transformer strips. Equipment is available for production of 1,000 to 12,000 mt per year for products from 8 to 30mm in diameter. Sample coils can be manufactured to order and produced on the continuous casting equipment installed at the Rautomead facility in Dundee, U.K. To make an appointment during the exhibition, contact Jan Barclay at jan.barclay@rautomead.com.

For more details, visit our website rautomead.com.



Wire and Plastic Machinery Corporation at wire Düsseldorf 2022



Wire and Plastic Machinery Corporation at Wire Düsseldorf 2022

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 are offered as individual components 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 2022, Wire & Plastic Machinery will be showcasing pictures, video, and an interactive presentation of its inventory offerings within a 72 square meter area. Beverages and snacks will be available within the expanded lounge area. Booth visitors will have access to web-enabled stations for a live product search with detailed specifications and pictures. Worldwide experienced personnel will be available to assist in selecting the most suitable equipment for your application and process.

Booth Number: 9E20 www.wireandplastic.com

Booth Personnel: Rick Narang, Rahul Sachdev, Greg Malcervelli, Denis Godin, Erik Macs



leader in special, data communication & LAN cables machines and a major actor in the automotive wire equipment will exhibit and welcome visitors and customers in its booth 10F59.

SETIC provides high-speed double twist bunchers / stranders for the automotive industry and power cable as well as complete solutions to produce high quality LAN, special and control cables with enhanced performances (in one step or two steps according to product mix) ; SETIC is continuously developing new lines and new concepts for non-ferrous cables in order to meet the Customers' needs such as special high speed lines for battery cable, new high speed lines for special and instrumentation cables...

On the booth!

- One complete High Speed 630 mm pairing line/quadding line composed of : Modernized design single bow Backtwist pay-off and Double twist machine for Data, Automotive and LAN Cables, presenting our Solutions for Industry 4.0.

- 1000 mm High speed Single twist assembling machine (AST1000R) illustrating our solutions versatility (LAN, control, instrumentation, data, battery... cable) and flexibility (laying-up, stranding, wire armouring process).

- High Speed 1250 mm Double twist stranding machine (TC1250-4M) for stranding up to 19 wires and laying-up of insulated cores or bare flexible copper conductors.

POURTIER: heavy-duty rotating machines (rigid and planetary stranders, single twist cablers, drum twisters) to produce all types of power cables: overhead, Low, Medium, High Voltage and Extra-high Voltage and submarine cables.

POURTIER is a master buy with its heavy-duty stranders, cablers, screening and armouring lines for ferrous and non-ferrous cables and has made impressive achievement in the field of submarine and umbilical cables offering a complete range of stranding / paper lapping / cabling and armouring machines. Its high efficiency revolutionary multiwire concentric stranding line is also widely used for low and medium power cable production. All these machines are made with the highest standards in design and manufacturing for the production of all types of High Voltage and Extra-high Voltage Power Cable : from overhead cable (including ACCC™ , ACSS-TW and ACSR-TW) to insulated cable AC type (using high quality Milliken conductor) or DC type (using large round compacted conductor or trapezoidal wires).

On the booth! High Speed Tangential Taping Head 600 mm, 2 pads: Taping/Armouring Machines (Tangential, Oblique, Concentric, Longitudinal): discover all kind of applicators for various taping process we can offer.

POURTIER will exhibit within SETIC booth 10F59

C2S Customer Services department is the ideal partner to maintain machines productivity and enhance products quality. Rich of a long and successful experience, the C2S - Services division acts as an overall efficiency booster to maintain wire and cable production lines productivity and products quality, whatever the brand of the equipment. C2S is being assigned spare parts, upgrades and maintenance projects, as well as transfer and restart operations of complete lines. C2S is involved in smart factories in their Industry 4.0 processes.

C2S will exhibit in one side of SETIC booth 10F59.

BOW TECHNOLOGY sells customized bows for ALL sizes and ALL brands of double twist equipment.

BOW TECHNOLOGY is the answer to cable makers concerned by quality and long-life reliable bows for all brands of double twist machines from 560 to 2000 mm. With a comprehensive range of 650+ all sizes designs (including the new generation multi-use "GreenBow2+") the division offers a global service from conception to production. The team is ready to discuss any model matching the customer's production needs.

Bow Technology will exhibit in one side of SETIC booth 10F59.

Website: www.setic-pourtier.com
setic@setic.info
Tel. : +33 4 77 23 25 55

The TROESTER Group at WIRE 2022

Booth 10/F60

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 is specialized 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 booth 10/F60 and will be happy to discuss your specific requirements with you.

BWE Hall 11, Booth D25

BWE Ltd is a British engineering company specialising in continuous extrusion machines and cold pressure welders. Conform™ and Conklad™ are well-established continuous extrusion technologies in the non-ferrous, cable and tube industries.

Typical applications for Conform include Copper & Aluminium Rectangular Wire (Magnet Wire for Transformers), Solid Aluminium Conductor (SAC for cables) Copper Bus Bar, Trolley Wire and other shaped conductors, Round Refrigeration Tube, Multiport or PFC Tubes in different alloys.

Conklad technology is available for applications such as AS Wire, OPGW, CATV, Sheathed Composite Cores, Reinforced Aluminium Wire and other similar products requiring an aluminium sheath or non-ferrous cladding.

BWE's SheathEx™ technology is the perfect solution for seamless aluminium sheathing of high voltage cables. 'Corrugated' (helical or annular) or 'Smooth' options are available and open for discussion.

The SheathEx process provides a continuous and seamless aluminium sheath with no weld. The aluminium sheath has good conductivity, ideal environmental properties, light in weight and proven reliability. By using standard CCR aluminium rod, the material costs are very low, making SheathEx™ a very cost effective method of sheathing medium, high and extra-high voltage power cables.

BWE continue to develop new products and applications including Wire Arc Additive Manufacturing (WAAM), 3D printing, Electric Vehicles and Precious Metals. Proving trials and demonstrations are available at BWE's headquarters in Ashford, Kent, England. BWE's research and development department will consider and prove any new application prior to investment.

BWE also manufacture and supply a complete range of cold welders and dies for a fast, cost-effective and reliable solution to welding non-ferrous materials from fine wire to round rod. A range of machines will be on display and available for demonstration.

™ SheathEx, Conform and Conklad are Registered Trade Marks of BWE Ltd.



Calmec, located outside of Toronto, Canada manufactures Engineered Armouring Solutions, specializing in machinery for the armouring process of flex pipe conduit and armoured cables. At wire Düsseldorf 2022, Calmec will be displaying process improvements catered to Industry 4.0, including Calmec's Machine Vision System for realtime noncontact dimensional monitoring, Process Data Acquisition System, and Environmental Vision System. Come see us at Booth 9E14-1 in the North American Pavilion and visit www.calmec.com.

New regulations ahead...

Switch to BORAX FREE lubricants with Condat!

Already well-known for its commitment to responsible performance, the lubricant producer CONDAT is once again taking the lead to alert the wire drawing industry about regulations changes occurring in the European Union about borax. The WIRE Düsseldorf show will be a good place to give information and to explain what is behind this shift, as it may impact your investments and safety procedures.

Borax, a substance under surveillance

Even though Borax has traditionally been used in two types of wire drawing products, surface coatings and dry drawing lubricants, this substance has been controversial in the wire drawing industry for over 15 years. Often employed in wire preparation after acid picking and phosphating, borax coating is used to improve the pick-up of the dry drawing lubricant and to neutralize any acid residues on the wire. It is also sometimes incorporated as a high performance additive in dry drawing lubricants. However, due to its chemical composition, it has been identified several times by the European Union for the potential Reprotoxic danger it represents.

Time to change now!

Further to the Delegated Regulation (EU) 2021/849 published in the Official Journal of the European Union on 28 May 2021, the regulation on BORAX Classification, Labelling and Packaging will change from December 17, 2022. Products containing $\geq 0.3\%$ Borax and/or Boric Acid will be classified as Reprotoxic Category 1B in the European Union.

Meaning, the hazard statement "H360FD: May damage fertility. May damage the unborn child." will therefore be added to the safety data sheet and the label of these products, accompanied by the "Exploding chest" hazard pictogram.

Huge consequences

In many countries of the European Union*, the law will therefore require

1. Substitution of products classified as Reprotoxic Cat. 1B by non-CMR (Carcinogenic, Mutagenic, Reprotoxic) products
2. Otherwise**, the confinement of the installations using Reprotoxic products
3. Otherwise**, the HSE (Health, Safety and Environment) department of the concerned site will have to put in place collective/individual protective equipment suitable for the handling of CMR products.

Other EU countries will have an incentive to substitute products classified as Reprotoxic Cat. 1B without binding measures or equivalent law. But in all EU countries, the disposal cost of used borax containing soaps is likely to increase following their classification as reprotoxic.

The REACH authorization procedure is still pending. But if it is confirmed, all users of products containing Borax or Boric acid

will be obliged to substitute these products or there will be very restrictive use measures that will involve factory investments to control the risks as well as a fee of a few tens of thousands of euros. All countries within the EU will be affected.

*For more information contact the country competent authority or Condat sales representative.

**with justification according to studies proving the impossibility of previous step to be included in the Single Risk Assessment Document

Switch to borax-free lubricants

Beside the law and this regulation, we can question the fact of continuing to use potentially dangerous products. Social & environmental issues are a main concern nowadays for all industries. Condat considers it has an important role to play on this theme and makes it a priority to monitor the substances used and to improve the formulation of these products.

That's why Condat has always proposed a complete range of borax free wire drawing lubricants and has expanded it over the years to meet the most demanding applications. Those borax-free lubricants have proven their efficiency, such as borax free surface coatings which offer a higher roughness & deposit weight, plus increased resistance to humidity pick-up compared to traditional borax baths.

Borax free alternatives are therefore possible. Condat offers borax free dry drawing lubricants, which in some cases, even demonstrate increased performance over traditional borax containing products. With high to low fat content, and high to low softening points, there are borax free lubricants suitable for all types of applications.

Choosing a borax free Condat product, means choosing a high performance, eco-designed alternative with at least 1 star at the Condat's Lubriscore® rating. It can be helpful to the wire drawing industry in its transition to a borax free workplace.

To find the best borax-free alternative to your process, meet CONDAT experts at Wire Düsseldorf Hall 10 Stand A56 or contact them on www.condat-lubricants.com or info@condat.fr



Connecting Expertise – IWMA Members sign partnership contract!

The IWMA has hundreds of members all over the world and the usefulness and value of the association's network can sometimes be forgotten in the bustle of everyday business.

But as Alloy Wire International (AWI) – one of the fastest-growing manufacturers in the UK's Midlands – discovered, a strong network can be a powerful business tool.

The specialist producer of high-performance nickel alloy wire, bar and wire rope has appointed Gürfil AS of Istanbul as a sales agent to help grow its business in Turkey by 20 per cent over the next year. The company was pointed in the company's direction by contacts within the IWMA.

AWI's Angus Hogarth wanted help finding new representation situated within the borders of Turkey, rather than out-of-country, as the company's existing Turkish agent had been.

Knowing IWMA members in that region and their range of operations and output, Gurfil appeared to be AWI's best fit.

"We put the two companies in touch and were proved correct in our thinking. Their managements got on very well – so much so that a partnership contract was signed fairly quickly," explained IWMA executive manager Andy Lewis.

AWI's R&D director Angus Hogarth said: "Orders to Turkey have enjoyed consistent growth over the last two years and we were

in a position to invest in a local agent to give us an even stronger presence in the area.

"You can't beat having country-specific knowledge for understanding how the market will react to changes and new trends, or where opportunities might exist."

Gurfil's Yusuf Gunes will put his local knowledge and business experience into opening new contacts for AWI, as well as assisting existing customers in the region.

"AWI has a very good reputation in Turkey and customers are switching on to its ability to make small order quantities in short lead times and a wide range of sizes. Our technical expertise will also be crucial when discussing product application or a wire specification.

"I'm looking forward to travelling in Turkey and meeting with AWI's customers to find out how we may help further with their wire needs in exotic alloys."

AWI currently supplies over 5000 customers involved in automotive, aerospace, defence, medical, nuclear, oil and gas and renewables industries. The company has a 60-strong range of exotic alloys available in a wide range of sizes and volumes within a three-week timeframe.

The company has enjoyed strong demand from the Far East, Eastern Europe and Australia and now has 46 sales agents like Yusuf Gunes supporting customers and inquiries around the world.

This is the motto of Kieselstein's presence at WIRE 2022

From the 20th to the 24th June 2022, the Chemnitz-based technology company KIESELSTEIN will be represented at the wire in Düsseldorf, the most important trade fair for the wire industry. At Stand No. D22 in Hall 10, this time there will be an exhibit in the form of a heavy single drawing block EH, which is part of a complete line, and the newly developed drawing peeling unit DS-150-NE. In addition, the Chemnitz-based company wants to show how it meets the increasing demands of plant operators for service engineering in the environment of machines and plants, especially by using digital solutions.

Important focal points at the stand will be the technological competencies in machine development and the wide range of services that KIESELSTEIN has to offer.

Of particular interest to trade fair visitors will be the various wire production technologies in which KIESELSTEIN has a high level of expertise: whether drawing peeling of steel, aluminium or titanium wire, hot drawing of materials that are difficult to form, drawing of round and profile wires, wet drawing and thermal treatment

as a process integrated into wire production, or even the coating of wires - KIESELSTEIN offers a wide variety of technological approaches that can be implemented in an individual, concrete solution for every customer.

The processing of wire will also be a topic, e.g. the braiding of wire into large-area meshes, the cutting of meshes and the patented 3D wire mesh strucwire®.

In the area of services, the company offers drawing and drawing-peeling tests in its in-house development centre k.lab®. The supply of spare parts for existing wire drawing plants, analysis and optimisation of production processes in the wire industry, remote diagnosis on plants during operation as well as retrofitting of plants are part of the offer.

The k.fit® programme will also be introduced at the fair. The process of modernising machines and lines can be demonstrated at the company's stand. The modular procedure consisting of analysis, conception, realisation, documentation / certification, digitalisation and enables a new type of plant without having to purchase a completely new machine.

For new plants, the manufacturer offers comprehensive consulting, the associated engineering of the plants and development of suitable tools as well as support during commissioning and monitoring of the start-up operation.

We look forward to seeing you again in Düsseldorf and to interesting discussions with the guests at our stand.

UL Construction Product Safety Services for CE and UKCA Marks Help Companies Maintain Post-BREXIT Market Access

The UKCA mark is being introduced for products in England, Scotland and Wales and will replace the European CE mark.

UL, a global safety science leader, announced today that it empowers companies to maintain post-BREXIT market access with Construction Products Regulation (CPR) related safety testing and certification services for the CE Mark in the E.U. and UKCA Mark for the United Kingdom (U.K.). The UKCA mark has been introduced for products in England, Scotland and Wales in place of the European CE mark and will be mandatory for regulated products on Jan. 1, 2023.

For manufacturers looking to place products in both British and European markets, certification must be completed by both an EU Notified Body (NB) and technical assessment body for the CE mark and a U.K. Market Conformity Assessment Body (UKMCAB) for the UKCA mark. Through a combined safety testing and certification process, UL can now provide the following comprehensive services on a broad variety of power, control and communication cables for permanent installation in buildings:

- Testing and certification to the requirements of the CE Mark for CPR products for the European market
- UKCA Mark for CPR products in England, Scotland and Wales
- UL safety testing and certification for North America
- Various types of performance testing services for cables and cable assemblies based on national, international and industry specifications

“Our science-driven testing and certification can help cable manufacturers assess compliance with the Construction Products Regulation for EU’s CE mark and the U.K.’s UKCA mark, which will help them demonstrate their dedication to safety while achieving market access throughout Europe,” said Morten Lassen, UL’s regional vice president of Europe. “Manufacturers can save time and money by integrating testing and certification to global requirements under UL’s comprehensive service solution for both the European Union and the United Kingdom.”

Products can be certified under the Assessment and Verification of Constancy of Performance (AVCP) System 1+ at UL International B.V. for CE marking and at UL International (U.K.) Ltd for UKCA marking. According to Product Area 31 (Power, Control and Communication Cable), this helps confirm compliance for market access to both the EU and U.K. UL can also facilitate AVCP System 3 CE and UKCA marking requirements for cables.



Farewell Paul Wright

After a long and successful association, the IWMA says farewell to highly-valued colleague Paul Wright, who officially retired after stepping down as a member of the executive management committee earlier this year.

Paul has been an active member of the IWMA for several decades. From 2000-2002 he was vice-chairman of the association and became chairman the following year. During his tenure as the head of the world's leading industry trade association, the IWMA played an influential role in the development of today's international events calendar. Under Paul's chairmanship the association sponsored the first wire Russia and wire China exhibitions, as well as the first Metaltech exhibition in Brazil. The IWMA also played a key role in the relocation of wire Southeast Asia from Singapore to Bangkok.

In 2007, Paul became our deputy treasurer and later took on the full treasurer's role – one he filled until 2020. He also served as trustee/secretary and director of the IWMA Educational Trust. Over the years he has been an energetic advocate of the work of the trust in promoting the learning of new skills and extending experience.

Keystone projects in which he has been involved include: the Walter Niehoff scholarship, to help fund training for member companies and the John C Hogg travel awards, to enable newcomers to the industry to attend major industry events.

"Paul has been a brilliant member and leader of the IWMA for many, many years," said current IWMA director, Martin Van Der Zwan.

"He has worked tirelessly in various roles to promote and extend the reach of the association for the good of all our members. Fortunately, we won't be losing touch, and hope to continue to benefit from his vast knowledge and experience for many years to come."

Paul's resignation from the executive management committee took effect at the AGM earlier in 2021.



Dates for the 2022/2023 wire exhibitions

As a wire industry partner with Messe Düsseldorf GmbH, the IWMA attends the biggest international exhibitions and offers attending members great support through its stand at the shows and industry networking events. Visit www.iwma.org to find out more.



**26th – 29th
September
2022**

wire China,
Shanghai New International
Expo Centre (SNIEC)



**5th – 7th
October
2022**

wire Southeast Asia,
Bangkok International Trade
& Exhibition Centre (BITEC)



**25th – 27th
October
2022**

wire South America,
Sao Paulo Exhibition Centre



**23rd – 25th
November
2022**

wire India, Bombay Convention
& Exhibition Centre (BCEC)



**9th – 11th
May
2023**

Interwire 21,
Georgia World Congress
Center (GWCC)



**Dates TBC
2023**

Wire Show,
Shanghai New International
Expo Center (SNIEC)

IWMA confident of Southeast Asia wire and Tube success



As the world prepares to reset as the worst of the pandemic becomes a memory, the Southeast Asia wire and Tube exhibitions are gearing up to make the international 2022 show a major marker for the recovery of the wire and cable industry.

The first international shows since countries locked down and international travel became impossible are now in the diary for October 5-7, 2022 at the Bangkok International Trade & Exhibition Centre.

The 14th edition of the most authoritative wire and cable industry events in the region have set the bar as the leading trade-focused platform for the wire, cable, spring-making and fastener industries.

During the 2022 shows, BITEC's halls will also be packed with exhibitors for the inaugural local GIFA (casting technologies) and Metec (metallurgy and steel casting technologies) exhibitions.

At the last editions of Southeast Asia wire and Tube in 2019, international exhibitors from 29 countries participated, and 45 percent of visitors were from outside Thailand.

All four trade shows will bring together well over 400 exhibitors from more than 30 countries this time, providing a focal point for international companies and regional businesses hoping to break into the markets of China and Asia.

Asia is leading the way for post-pandemic economic recovery. The Asian Development Bank expects the local economy to rebound strongly in the next 12 months, followed closely by other parts of Southeast Asia as countries begin to reopen and ease Covid-related restrictions. The region has been earmarked

as a high-priority strategic region, with a fast-growing market covering over 630 million consumers.

"When the shows were originally announced for September 2021, many people had a bit of a wait-and-see attitude to booking," said IWMA executive manager Andy Lewis.

"Now the shows have been moved to October they are attracting much more interest – mainly because most people believe travel will be much easier by then.

"We are talking about renewed confidence and optimism for the first time in 18 months and looking forward to welcoming visitors and participant members to our stand, face-to-face. We couldn't be looking forward to it more."

The IWMA plans a full service for members: "We will be in a similar force to our presence in 2019," he continued

"This is one of the major events on the wire calendar anyway, and with the pandemic's effect on normal business and the pent-up demand, we expect things to be very busy once the industry really gets moving again. We will be helping members any way we can."

Thailand-based representatives of organisers Messe Düsseldorf say the Thai government opened several beach resorts last summer, and there are discussions to allow fully vaccinated foreign visitors not to serve a quarantine period on arrival.

"There is good reason to be confident the Southeast Asia shows will be among the most successful in their 25-year history," Andy said.

5 – 7 October 2022 | Bangkok, Thailand

14th International Wire & Cable
Trade Fair for Southeast Asia



IWMA Corporate Members

Australia

Australasian Wire Industry Association (AWIA)
Badger Wire
Nano-dies Pty Ltd

Austria

Medek & Schorner GmbH
Plasmait GmbH
Rosendahl Nextrom GmbH
SHI Kabel GmbH & Co KG

Belgium

Fisk Alloy Conductors BVBA
FIB Belgium s.a.
NV Bekaert SA
Q8Oils
Smeets S.A. - Loypos

Brazil

Madem SA Ind E Com de Madeiras

Canada

A Karpal Ltd
Calmec Precision Ltd
I.C.E. Wire Line Equipment Inc
QED Wire Lines Inc

China

ABZ (SHANGHAI) SMART TECH.CO.LTD
Dongguan Xinmei Precise Mold Co., Ltd
Jiangsu Handing Machinery Co.Ltd
Jiangsu Hongtai Stainless Steel Wire Rope Co Ltd
Jiangsu Singcheer Intelligent Equipment Co Ltd
Pamica Group Limited
Qunye Electrical Co Ltd
Shanghai Geili Precision Dies Co Ltd
Shanghai Kechen Wire & Cable Machinery Co Ltd
YICHANG GEILI DIAMOND INDUSTRIAL CO.,LTD

Denmark

DSE Test Solutions A/S
Roblon A/S

Finland

Maillefer Extrusion Oy
Upcast Oy

France

Setic s.a.s
UL International (France) SA

Germany

ACOTEQ GmbH
AFH-Antriebstechnik GmbH
August Strecker GmbH & Co KG
Bongard Machines GmbH & Co. KG

CeramTec GmbH

DLB Oberviechtach GmbH & Co. KG
EJP Maschinen GmbH
EUROBEND GmbH
GEO Reinigungstechnik GmbH
Hafner & Krullmann GmbH
Heinze & Streng GmbH
Ideal-Werk C + E Jungeblodt GmbH & Co KG
Joachim Uhing GmbH & Co. KG
Kabel. Consult. Ing
KIESELSTEIN International GmbH
Kyocera Fin ceramics Precision GmbH
Lune CHF GmbH
Meisenbach GmbH
Nieho Maschinenfabrik GmbH & Co KG
Queins Machines GmbH
Reber Systematic GmbH
REDIES Deutschland GmbH
Riedel SDS
Sikora AG
SKET Verseilmaschinenbau GmbH
The Worshipful Co of Tin Plate Workers Alias Wire Workers
Thompson & Hudson Wire Machinery
TRAXIT International GmbH
Troester GmbH & Co KG
VDKM

India

Ajex & Turner Wire Technologies
Associated Engineers and Industrials Private Limited
Assomac Machines Ltd
Mikrotek Machines Ltd
NAPPOO HI # COMMAND
Sneham International
Supermac Industries India Ltd
Synergy Steels Limited

Italy

ACIMAF
BB Spring Technology S.r.l.
DRT Impianti S.R.L.
Eurotek S.R.L.
Expometals.Net
Koner Srl
LAMPLAST di Aldo Redaelli e C. s.a.s.
Manentimacchine Srl
O.M.A. Srl
PS Costruzioni Meccaniche Srl

Japan

T Fukase & Company Ltd

The Netherlands

InnoVites B.V.
Lantor BV

New Zealand

PWT Limited
Ullrich Machinery Company Ltd

Pakistan

Pakistan Cables Ltd
Premier Cables (Pty) Ltd

Poland

Consultex Sp. z.o.o.
NOTA- ZAKLAD MECHANIKI PRECYZYJNEJ
Technokabel SA
WOLCO Sp. z.o.o.

Singapore

Plexchem Technologies Pte Ltd

South Africa

Cape Gate (PTY) Ltd
South African Wire Association

Spain

Aleados del Cobre S.A.
Aversion Technologies Europe S.L

Sri Lanka

Lanka Special Steels Ltd

Sweden

H Folke Sandelin AB
Luma Metall AB
Windak Group

Switzerland

AESA Cortailod
FMS Force Measuring Systems AG
Microdia SA
Zumbach Electronic AG

Taiwan

Key Rate International Co., Ltd.

Turkey

Aymak Makine Muhendislik Hizmetleri San ve Tic
Bozalioglu Orman Urunleri
CSM Metalurji Imalat Sanayi Ve Muhendislik Ltd sti
Er-Bakir Elektrolitik Bakir Mamulleri AS
GURFIL Sanayi ve Elektronik Cih. Paz. AS
Sarkuysan Elektrolitik Bakir San ve Tic
Untel Kablo A.S.

United Arab Emirates

Ducab

IWMA Corporate Members

USA

Bartell Machinery Systems
Cemanco LC
Commission Brokers Inc
Davis-Standard
Fabritex Inc
FH Machinery Inc.
Fort Wayne Wire Die Inc
Gem Gravure Co Inc
Huestis Industrial
Induction Technology Solutions Inc.
Mathiasen Machinery Inc
NDC Technologies Inc
Reelex Packaging Solutions Inc
Tianjin Huayuan Times Metal Products Co Ltd
Vinston US Corp
WCISA
Wire & Cable Technology International
Wire & Plastic Machinery Corp
Wire Association International Inc
Wire Lab Company
YTC America Inc

UK

Alloy Wire International
Ambrell Ltd
Bar Products & Services Ltd
BASEC (British Approvals Service for Cables)
Bridon-Bekaert The Ropes Group
British Diamond Wire Die Co Ltd (Ballo et UK)
BWE Limited
Cable Tapes UK Ltd
Central Wire Industries UK Ltd

Chaplin Bros (Birmingham) Ltd
Chemetall Ltd
Cimtec Ltd
Condat Ltd
Control and Power Engineering
Copperweld Bimetallics UK Ltd
CRU Group
De Montfort University
EFD Induction Ltd
Foxton Dies Ltd
Frontier Composites & Castings Inc
G Church - Consultancy
Goodwin Machinery Ltd
H&R ChemPharm (UK) Ltd
Holton Crest Ltd
Huntstar Trading Ltd
Inductotherm Heating & Welding (Radyne)
Institute of Spring Technology Ltd
Integer Research Ltd, an Argus Media Company
Interlink Import-Export Ltd
International Trade Shows Link Ltd
Intras Limited
Itaya Europe limited
JG Tec Ltd
John Boddy Consultancy
Knight Precision Wire Limited
Leoni Temco Ltd
Leviton Manufacturing UK Limited
Locton Ltd
Metalube Limited
MSS India Pvt Ltd c/o Bryden Capital
NeoFil Ltd

Novametal Wire Uk Ltd
OMA (UK) Ltd
Ormiston Wire Ltd
Pentre Group Ltd
Permanoid Ltd
PEXTRUSION Ltd
Pressure Welding Machines Ltd
Proton Products International Ltd
Prysmian Group
Rautomead Limited
RichardsApex Europe Limited
Ridgway Machines Ltd
SACO AEI Polymers UK Ltd
Scott Precision Wire Ltd
Spring Tooling Ltd
Stonepark Consultancy Ltd
TapeFormers Ltd
Techno Commerce Ltd
Transworld Engineering Ltd
United Oil Products
University of Southampton
Warbrick International Ltd
Webster & Horsfall Limited
Whitelegg Machines Ltd
Wintwire Ltd
Wire Electric Supplies Limited
XL Technologies UK Limited

Vietnam

Vietnam Electric Cable Corp (CADIVI)



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