

# PRODUCT SHOWCASE

## AUSTRIAN WIRE AND CABLE MACHINERY MANUFACTURERS ASSOCIATION

### Hall 10, Booth C42

Achieving greater awareness of its market-leading high-tech products and Austrian engineering in the international wire and cable industry are central to the global aims of the Austrian Wire and Cable Machinery Manufacturers Association (AWCMA). The association was established Dr. Kurt Eder in 1988 and stands for wire and cable production machines and technology made in Austria. This year, 20 specialist companies will be available to provide ideal technical solutions for wire and cable production worldwide. The exceptionally high standard and technical leadership of the association's members in the fields of technology and engineering are recognised worldwide and as a result AWCMA members have become preferred partners of the international wire and cable industry. As a tradition already, splendid Austrian hospitality of its best will be offered to all AWCMA members and their visiting guests and friends in the special 'Cafe Vienna', located within the Austrian Pavilion, particularly during the 'Austrian evening'; on Wednesday, April 1, at 5 pm.

## CONDAT

### Hall 10, Booth A52

Increasing productivity responsibly means, for example, drawing faster, thanks to the Condat VICAFIL SUMAC range which has a higher softening point compared to usual sodium soaps. It enables efficient drawing in the most demand-



ing operations such as the production of spring wire, PC strand and steel cord. It also means less die wear when using, for example, the VICAFIL TF range of calcium soaps. These formulas are designed to deliver the correct amount of lubricant between the wire and the die by providing sufficient, homogeneous coverage of the wire. Also, securing your working conditions by reducing dust in your workshops is a necessity. Dry lubricant used in the wire drawing industry has the potential to generate dust. The problem of dust in the workplace is well-documented, increasing the risk of fire due to ignition of a combustible dust cloud.

It also leads to increased exposure risk for operators, resulting in dermatitis, respiratory tract irritation or potential health effects due to long-term exposure to lubricant additives such as borax. In addition to these hazards, lubricant dust in the workshop can also be an indication of non-optimal lubrication with an associated economic cost. The lubricant needs to be in the die or on the wire surface to perform. Lubricant in the form of dust in the environment is therefore wasted, thus generating additional costs. Use of a suitable dry drawing lubricant, determined according to the client's specific application can significantly reduce the amount of dust generated in the workshop whilst also reducing overall wire drawing costs.

Lubricant grain form, grain size, composition and thermal profile – all have a significant impact on dust formation. Many of Condat's calcium, sodium and mixed soaps are available in the form of pellets; this form significantly limits the release of fine particles during filling of the soap box. Highly efficient, Condat's lubricants and surface treatment products have thus been developed to minimise hazardous components, to meet the latest environmental legislation, and even anticipate more stringent upcoming regulations. With a modern, well-staffed laboratory and technical expertise in all fields of industrial lubrication, Condat works closely with its customers to offer developments suited to their needs, and is committed to improve the security of its product formulas whilst keeping the right balance between safety and performance.

Website: [www.condat.fr](http://www.condat.fr)

## CONTINUUS-PROPERZI

### Hall 11, Booth G40



*IULIUS 4.0 applied to an existing Properzi line*

Today, more than ever, the technologies available in the fields of automation and information technology offer the opportunity to implement production processes with a very high degree of digitalization through

access to large amounts of data collected by a variety of sensors and instruments. In that respect, Continuous-Properzi has always been committed to offering its customers technical and technological solutions of absolute excellence in quality and innovation. In Industry 4.0 this has translated into having recently developed features for new plants and upgrading options for existing ones aimed at responding to the specific needs of managers who have operational responsibilities. This allows these managers to be updated in real time and to react in a timely and decisive manner in order to obtain the best possible results.

The company's IULIUS 4.0 (the tangible response of Continuous-Properzi to Industry 4.0) is able to fulfill four fundamental principles: interoperability, information transparency, technical assistance, and decentralized decision-making process. These principles are, in fact, the main characteristics to be respected in the actual fourth industrial revolution. The advantages of IULIUS 4.0 can be applied to existing Properzi systems (even 20-year-old systems) in order to meet all customer needs through the implementation of its remote and on-site technical assistance program, which will be presented during the upcoming Wire Düsseldorf show. The commercial staff will clearly illustrate all the advantages of this new IULIUS 4.0 program also in terms of productivity.

"The remote assistance program will be tailored for each customer (meeting their needs by evaluating, in detail, the type of intervention and therefore the cost to be supported) through the strong interaction of its automation, technical, and after-sales departments to determine the solution to meet the customer's requirements. Obviously, IULIUS 4.0 does not exist without

*continued on p.15*

14<sup>th</sup>

## CRU Wire & Cable Conference 2020

8-10 June 2020 • London, England

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

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- 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
- Meet with leading innovators and experts looking to build partnerships; and improve energy and communication network deployment

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#CRUwirecable

# PRODUCT SHOWCASE

Properzi's engineering, knowledge, field experience, and research and development activities, which have always been an integral part of the company's heritage since its inception more than 70 years ago," a press release states. Website: [www.properzi.com](http://www.properzi.com).

## LIFELINE TECHNOLOGIES

### Hall 14, Booth D18

A company based in India with state-of-the-art manufacturing and research and development facilities, Lifeline Technologies is a one-stop solution provider for the wire and cable industry for its requirements of additives and master batches with exports to over 32 countries. The company offers rodent repellent, termite repellent, UV additives and combination batches which integrate colour as well. It is the largest manufacturer of these grades globally and offers a wide range of RAL-based colour master batches for PE, HFFR, EVA, XLPE, PBT, TPU, PA base resins.

It has also developed unique flame-retardant additives for FRLS and HFFR applications.

"We are in the business of protecting and adding value to the world-class wires and cables manufactured by our customers," a press release states. Its list of customers includes multinational companies globally. "Our core strength is to customize solutions for additives, master batches and compounds which enhance the properties of wire and cable products for the long term," the release adds.

Website: [www.lifelinetechnologies.in](http://www.lifelinetechnologies.in).

## M+E (MACCHINE + ENGINEERING)

### Hall 10, Booth A52



With its headquarters in Dervio, about 40 miles north of Milan, Italy, M+E (Machine + Engineering) specialises in the design and manufacturing of pay-offs and take-ups for steel and stainless steel wires in coils or on spools for annealing, patenting, galvanising, oil tempering, and other in-line processes, with long experience in the steel cord industry. M+E also manufactures wet drawing machines for steel and stainless steel wire complete with horizontal or vertical axis spoolers. Its production range consists of pay-offs from stationary spools or carriers, rotating pay-off turntables for spools or carriers, and horizontal or vertical spool pay-off frames (option: double accumulation capstan).

It also includes and rotating capstan take-up frames for carriers (option: spiral laying, wire skippass, dual size capstan), stationary capstan take-up frames for carriers (option: pattern laying, accumulation device, dual size capstan), horizontal or vertical spool take-up frames (option: double accumulation capstan), pay-offs and take-ups for bead-wire and steel cord, automatic or semi-automatic coils compacting and strapping lines, and wet drawing machines for ultra-fine wire, saw wire, steel cord, spring wire, rope wire, staple and clips wire complete with traditional

horizontal or vertical spoolers or the newly developed series of full automatic spoolers with no operator's intervention. Website: [www.meitaly.it](http://www.meitaly.it).

## MAGUIRE PRODUCTS

### Hall 10, Booth D37



MGF™ gravimetric colour feeder

An innovative extrusion control system for wire and cable provides accurate control of grams-per-meter yield, improves product integrity, and reduces operating costs, it was announced by Maguire Europe, which will highlight the system at Wire 2020. The Maguire + Syncro™ extrusion control system can be deployed in extrusion or co-extrusion operations and in new or retrofit installations. Using data from a digital post-extrusion encoder and tachometer, the system adjusts extruder screw RPM and capstan speed to ensure tight coating tolerances and end-product consistency. In co-extrusion, ratio control provides accurate dimensions for multiple sheathing layers or identifying stripes.

There are three basic components in the Maguire + Syncro system: 1) The Maguire® WXB™ Weigh Extrusion Blender, which incorporates a gain-in-weight (GIW) weigh bin and a loss-in-weight (LIW) mix chamber; 2) The Maguire 4088 controller, which controls the loading, blending, and metering of raw material to the extrusion process; and 3) The Syncro® controller, which uses the consumption data from the 4088 controller and the downstream encoders to adjust line speed and haul-off. Modes of extrusion control available with the Maguire + Syncro system include grams per meter (or ounces per foot) of extrudate and kilograms (or pounds) per hour.

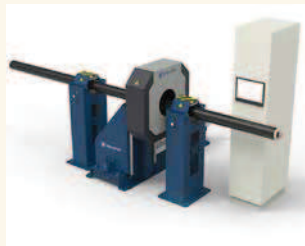
"Given the high speeds in wire and cable extrusion, any coating errors can quickly escalate into severe rejection rates, extensive downtime, and costly waste of polymer compound and conductor or optical fiber," said Paul Edmondson, Managing Director, Maguire Europe. "The Maguire + Syncro extrusion control system enables the manufacturer to maximise throughput while maintaining tight tolerances, drawing on Maguire Products' expertise in control of material handling with Syncro's expertise in controlling extrusion lines," he added. The Maguire + Syncro system is the product of a partnership between Maguire and Italy-based Syncro SRL that began in 2016 with Maguire taking an investment position with Syncro, which specialises in controls for all types of extrusion process.

The Syncro components in the extrusion control system for wire and cable include a master PLC touch-screen controller, digital encoder and tachometer, and a co-extrusion interface (one for each layer) that provides polymer consumption data from each additional extruder via the Maguire WXB blender. Because colour is

a key factor in wire and cable for branding and coding, Maguire also supplies the MGF™ gravimetric feeder, which precisely measures the amount of additive that is fed directly into the extruder throat. "Over-colouring to compensate for possible inaccuracies in colour addition is a problem because it wastes a costly additive and can compromise electrical and mechanical performance," said Edmondson. The MGF feeder prevents this by automatically recalibrating its dosage rate and holding the letdown ratio to within plus or minus 0.2%. Website: [www.maguire.com](http://www.maguire.com).

## MAILLEFER

### Hall 10, Booth C22



Maillefer will continue with its biennial tradition of inviting its customers and visitors to its stand where they will be greeted with innovation, exciting technology, smart solutions and, most importantly, a competent and welcoming face. "Discover how just another two years' worth of progress and developments are changing our industry," a press release states. 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, NCC curing calculation and more within the Smart Circle. Artificial intelligence with its neural networks and predictive models captured from real industry environments are thrusting production performance and product quality forward while ensuring that you stay well in control of the demanding extrusion process," the release adds.

Two complete lines will be visible at its stand – a fibre 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 the company is 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 and 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 includes topography scanning of energy cable surfaces, new dual take-up for telecom wire, a choice of crossheads and extruders for low-voltage and fibre optic cables, a tape fold-

ing system, and more," the release states.

"Sustainability has taken a stronghold 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," it adds. Longer lengths, less scrap, optimum material consumption and tight tolerances, longer run times, equipment durability and extended lifecycles through services and upgrades are immediate answers that Maillefer provides to today's customers. It will be joined at the show by colleagues from Davis-Standard, as well as agents and representatives from around the world. Website: [www.maillefer.net](http://www.maillefer.net).

## MEDEK & SCHÖRNER

### Hall 10, Booth C52-01



Hot foil sequential meter marker

The company will be exhibiting and demonstrating the following high-performance machines:

- Optical fibre colouring/ribbon/micromodule coating device with LED curing.
- Intelligent camera supervision systems with logging and alerting (Industry 4.0 ready interfaces).
- High-quality gravure printer KS.
- Embossing meter marker KMS.
- Hot foil sequential meter marker FMS (new design).
- High-performance ring marker RS.
- ECO laser marking system for cables, efficiency optimized.

Due to its excellent close relations to the cable and wire industry, the company is always in touch with new requirements which are rapidly converted into new production concepts. This enables further development continuously. The above mentioned LED device, supervision systems, newly designed hot foil sequential meter marker as well as the ECO laser will be presented at Wire Düsseldorf 2020 for the first time. These new developments are only the tip of the iceberg. Medek & Schörner can rely on a wide and stable product range of cable marking machines and optical fibre solutions using cutting-edge technology.

The company is not only offering superior quality and high-performance machines, but its employees are also going a step further to provide reliable customer support and a standard of after-sales service that many of its competitors simply cannot afford to offer. "It is this depth of in-house expertise, together with our use of state-of-the-art machinery and our highly qualified and experienced workforce that gives us the ability to help our customers to develop always better solutions – in effect, to make their good ideas even better," a press release states.

Website: [www.medek.at](http://www.medek.at).

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