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**English edition of the** magazine for the spring, wire and cable industry www.wire-magazine.de



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Wire processing **Series production of hairpins**  **Quality management** In-line surface inspection system Wire ropes **Control of wire tension** 



# The last flowers of autumn



There were still several trade fairs this autumn providing an opportunity to present new machines and products for the wire and cable industry. The 'wire' satellite events 'wire Southeast Asia', 'wire South America' and 'wire China' have already taken place. In mid-October, Casmi invited visitors to Rosemont, USA, for 'Springworld'. And to conclude, 'wire India' in Mumbai will be open from 23 to 25 November 2022.

Congresses and conferences were making use of the autumn, too. The 'NE Drahtforum' in Nuremberg, a non-ferrous wire conference, was one example. Its five organisers – Aurubis, Balloffet, Bechem, Deutsches Kupferinstitut and Niehoff – celebrated a fully booked in-person event on the topic of 'Sustainability in the supply chain to the NF wire industry'. You can read a report on the conference in this edition.

At the end of October, on the third 'Reutlingen E-Mobility Days', equipment on display from Wafios included machinery for producing electric power trains. WIRE introduced a new development in hairpin production. At the 'IZB' supplier fair in Wolfsburg components for electrical drives were again a dominant theme, including for example magnets for the automotive industry.

Several articles are devoted to exhibitors at the 'K' plastics fair in Düsseldorf, on topics such as recycling and the production of cable materials. Here, too, sustainability is of ever greater importance. Businesses in these sectors are investing both in products and in manufacturing. Renewable energy is intended to make production climate-neutral and reduce the  $\mathrm{CO}_2$  footprint.

In addition to cable materials, this edition also tackles digitalisation and automation in cable production. An extruder manufacturer reports on digital servicing and maintenance, while several other articles highlight innovations in quality assurance and marks. Researchers from Karlsruhe are working on automating the production of cable harnesses. The sector is showing a lively interest, in a field where most production has hitherto been by hand. In the field of wire ropes, quality assurance in stranding is the subject of an article by Swiss company FMS. And a contribution from Spain looks at how to identify faults in wire production using artificial intelligence.

Nobody yet knows what 2023 will bring. WIRE, though, will continue to keep you up to date over the coming year on matters affecting the spring, wire and cable industry. In this spirit, we wish you a healthy, peaceful and successful 2023.

Jörg Dambock, editor-in-chief

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Wire processing	
Easy and reliable series production of hairpins	10
Customer-specific magnets for the automotive industry	12
Wire manufacturing	
Al to classify defects automatically	13
Sustainability in the supply chain of the NF wire industry	34
Research	
Wire-based stent implants	14
Automated production of cable harnesses	28
How hydrogen behaves in aluminium alloys	30
Cable manufacturing	
Processing and recycling of plastics	16
"Roset" introduces more sustainable production "Compeo" now even more versatile	18 22
Environmentally friendly cable protection	26
Cable materials	
High-quality wire and cable compounds	19
Latest developments in masterbatch	20
Highly efficient materials for electric drives	27
Quality management	
New in-line surface inspection system	21
Precise diameter values despite vibrations	23
Measurement rate — a crucial parameter	33
Cable marking	
Cable printers with automated optical inspection	24
Handling	
Automation up to the ready-to-ship product	25
Wire ropes	
Elevator and special steel wire ropes	31
Stranding	
Control of wire tension	32
Maintenance	
Digital service products	36
Columns	
Editorial	3
Industry news   Projects/Business	6
Industry news   Trade fairs Reports	9
Products   For manufacturers	38
Who   What   Where	41
Preview   Imprint	42

## "Roset" introduces more sustainable production Two major infrastructure topics have attracted a lot of attention over recent years: The environment and the need for fast internet. The cable industry plays an important role in both of them and still

#### 22 "Compeo" now even more versatile

At "K 2022", Buss AG explained the possibilities of its digitalized machine monitoring project, which is designed to extend machine service life and uninterrupted production runs, identify maintenance needs at an early stage and avoid unforeseen downtime.



has to catch up. Rosendahl Nextrom is

### Automation up to the ready-to-ship product

18

here to help.

Kurre Systems is launching a "Maxi line" with a new optimized interface technology. The "Maxi line" includes all elements of an extrusion line with an upgrade of a fully automated drum winder.



## **Control of wire tension**

The monitoring or control of wire tension is of vital importance for manufacturers, and is especially true when it comes to offering the consistently high product quality demanded by their customers. This requires wire processing machinery operating at peak performance.





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