14 Avant-Garde welding machine
Eurobend’s “PL AKK” welding line sets new standards in mesh production, as it eliminates all idle times and at least doubles productivity in comparison to conventional welding lines.

19 Corrosion resistant rod
Aluminium alloys with more resistance to intergranular corrosion (IGC), that’s what the automotive industry needs. Rivets, bolts, screws and valves are produced out of 6xxx alloys. An investigation of the IGC behaviour of EN-AW 6082 rod indicates that chemical composition and process parameters have strong influence to its corrosion sensitivity.

26 Dies for cable stranding and compacting
Stranded cable producers have more options today than ever before in choosing the optimum bunching, stranding or compacting die for their unique application. “Nano Diamond Coated Dies” are the newest addition to the family. Understanding the tradeoffs is important in making the right decision.

30 When aesthetics and flatness are important
The “DH4010VGP” is the all-electric bending system with two independent heads capable of bending wires up to 10mm in diameter but also bars, flat rods, wire-wound resistors and tubes. The twin head makes this system particularly suited for bending parts having medium-to-long development with many bends, particularly when high planarity is required.

36 How the wiring harness of the future could look like
What sort of an impact will electrification, autonomous driving and trends such as shared mobility have on wiring harnesses in cars? DIIT, provider of integrated software solutions for customized wire harness production, examines three possible scenarios.

34 New bending process for “Hairpin” production
Hairpins are challenging bent wire components made of copper wire as the core element, clad in a layer of insulation. These electrically conductive parts are used in the new generation of hairpin motors.

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