Thermomechanically treated bars with increased performance

With the High Deformation Quenching and Tempering technology existing ranges of materials can be used for a combination of strength and ductility. The sequence of an intensive forming step with a controllable thermomechanical treatment ensures ultra-fine-grained microstructures.

Forming without to change metals’ mechanical properties

A new process makes it possible to process round rods based on tungsten with a 63% degree of deformation. The result is lengths up to 720mm instead of the previous maximum of 320mm at a diameter of 10.5mm. The loss of material due to the machining finish is reduced to a quarter.

Development of ball studs for hybrid cars

The increased axle loads in hybrid cars demand improved properties of chassis components such as ball studs. Due to the space available, the dimensions cannot be increased. Therefore parts like these require new materials with higher fatigue strength and good ductility.
32 Condumex relies on Smart Factory software

Mexican enterprise Condumex had to replace the existing ERP system. Since none of the standard systems on the market would cover the cable production’s special requirements, the company decided to use the industry-specific cable solution “SAP S/4HANA” of Advaris.

More than only to support human colleagues

Yes, we can definitely rely on robots. The sales figures year by year increase, and the versatility and application range, too. And soon enough, robots will use artificial intelligence to catapult industrial production into spheres that were previously hardly to imagine.