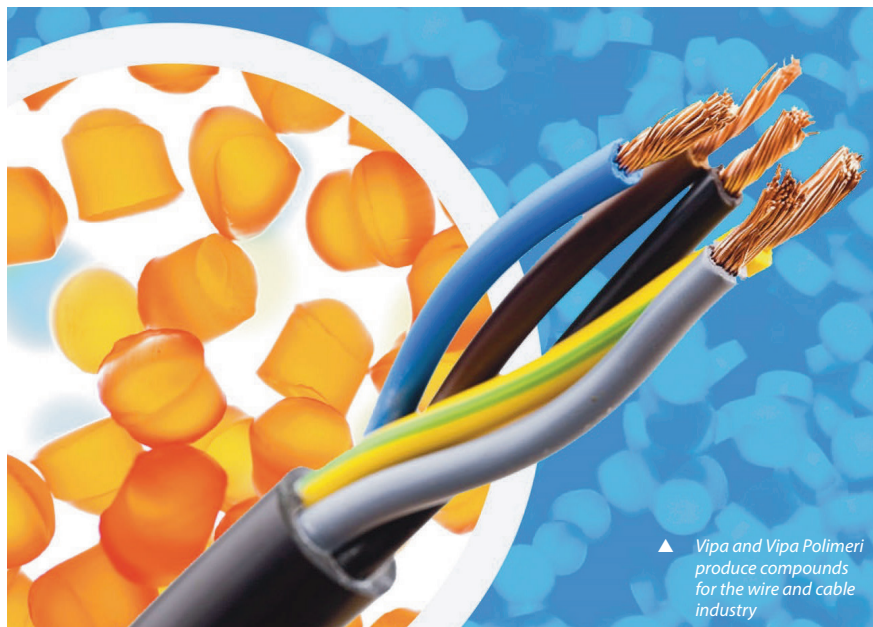


Compounds with traceable quality



▲ *Vipa and Vipa Polimeri produce compounds for the wire and cable industry*

Vipa and Vipa Polimeri are compound producers, present in the wire and cable industry for many years. The core of both companies is the R&D department, continuously studying technical solutions to meet current market needs.

Among the latest formulations are the following grades:

- FR PVC compounds, highly resistant to oil and hydrocarbons
- FR PVC compounds for CPR, low-smoke/HCl emission
- Special HFFR compounds with enhanced performance in several applications

- HFFR compounds with improved oil resistance
- Flexible PP for insulation
- HDPE compounds, ADCA-free, suitable for insulation of communication cables
- Highly flame-retardant, halogen-free, polyether-based TPU compounds

Both Vipa and Vipa Polimeri are widely implementing a quality system in terms of traceability of raw materials throughout the whole supply chain, to enhance product quality.

Vipa/Vipa Polimeri
www.vipa.it

Automatic reinforcing of steel wires

Promostar's product range is mainly oriented to the cold rolling and stretching process for steel wires, but the company also makes other machines such as tunnel mesh welding lines, block mesh welding machines, and rectilinear or sinusoidal spacers welding machines.

One recently produced machine was an automatic stirrup bender (zig-zag shape) for bars up to Ø 36mm.

However, the company's core business remains the development of fully automatic plants for reinforcing steel wires, both in bars and coils.

With long-term experience in this field, started in the early 1970s, the company realised a wide range of machines to cover the production of coils and straight bars by cold rolling or the stretching process.

Based on market requirements, the production of stretched wire coils became increasingly important for Promostar's customers. For this reason, its machines have complied to new standards in terms of flexibility, giving the possibility to produce – in only one machine – cold rolled or stretched material from two to eight tons in strapped coils, using sizes up to Ø 20mm, in a fully automatic way.

Promostar Srl
www.promostar.it

In-line control of drawing processes

Imago, a company with more than 20 years of experience in the quality control sector with industrial vision systems, has designed a series of control devices for the drawing process that operate in-line without contact and ensure the tracking and archiving of data.

Among these are the Eagle die inspection machine, a vision system dedicated to the extrusion phase. It verifies the dimensional conformity of the extrusion shapes and the integrity of the dies, as well as checking for the presence of unwanted residues.

The extrusion phase is verified before moving on to the drawing process, with

a series of specific controls, including the high-precision straightness control of the bars.

With these and other systems, and the use of artificial intelligence/IoT, Imago

is moving towards the automation and optimisation of the entire drawing production process.

Imago Srl
www.imagovision.it



▲ *Eagle die inspection machine*

