mollificio Romagnoli S.R.L.

Since 1952 we accumulate your energy



WHO WE ARE

Our history



1952

FOUNDATION

Ernesto Romagnoli began his working career in the spring industry in Milan. In 1952, together with his wife, he founded Mollificio Ernesto Romagnoli

1987

GROWTH

The first numerically controlled machines, the first computer and electronical controls in production are introduced



1995



CERTIFICATION

Thanks to a strong focus on quality not only of the product offered, but also of the service, the important milestone of ISO 9001 Certification is achieved

2000

EVOLUTION

The handover from Mr. and Mrs. Romagnoli to their son Fabio marks a turning point in the company's vision: from a *large artisanal business* to a *small industrial enterprise*



2012



NEW HORIZONS

Despite periods of global crisis, the company has strong confidence in its potential and relocates to the new production site in Caponago

TODAY

FUTURE IS HERE

The entry of the third generation into the company has brought new prospects for growth and development



OUR KEY STRENGTHS

- Customer focus
- Quality and reliability
- Technological innovation
- Decades-long expertise
- Technical support



OUR PRODUCTION

COMPRESSION SPRINGS

- cylindrical and conical shape;
- with constant or variable pitch,
- in round, square or rectangular wire;
- closed, ground or open tops



EXTENSION SPRINGS

- with any type of eyelet: English, German, embossed, single, double, elongated, reported;
- in round wire

TORSION SPRINGS

- of any simple or complex shape;
- in round, square or rectangular wire

SHAPED COMPONENTS

- of any shape and complexity;
- in round, square or rectangular wire

MATERIALS

Carbon steel wire classes SL, SM, SH, DM, DH according to EN 10270-1, also in pre-galvanized version;

FD, TD, VD Cr-Si, ,Cr-V, Cr-Si-V oil pretempered steel wire according to EN 10270-2;

Stainless steel wire type 1.4310, 1.4310 H, 1.4568, 1.4404; according to EN ISO 6931-1 and type 1.4301, 1.4539 ,1.4462 according to EN 10088-3;

Copper alloys: Brass and phosphor bronze according to EN 12166.

Round wire **from 0,15mm to 6,00mm** (small series up to 20mm).





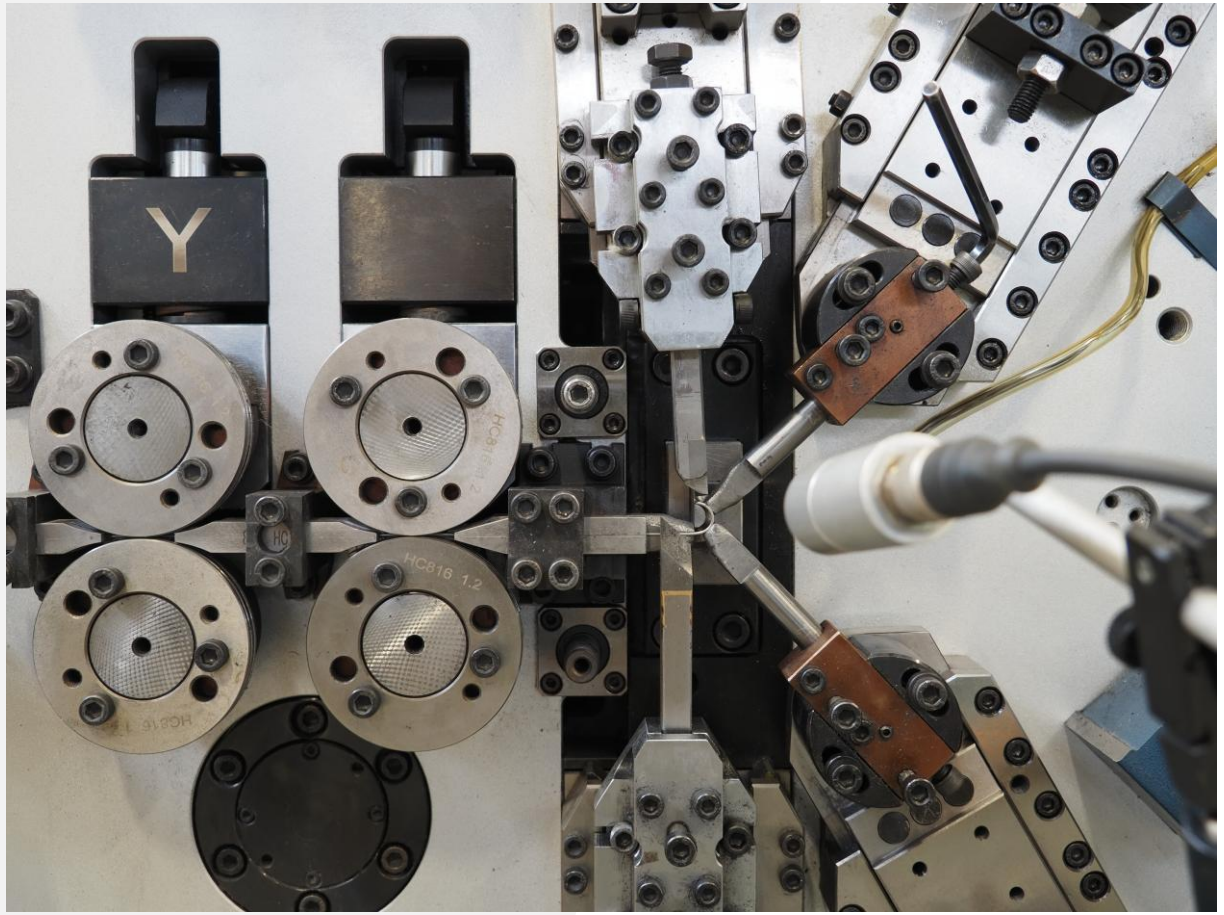


TREATMENTS

- Ultrasonic cleaning
- Shot blasting
- Tumbling
- Epoxy coating
- Cathodic electrophoretic coating
- Zinc phosphating
- Manganese phosphating
- Trivalent white and yellow zinc plating (Cr VI-free)
- Passivation
- Teflon coating



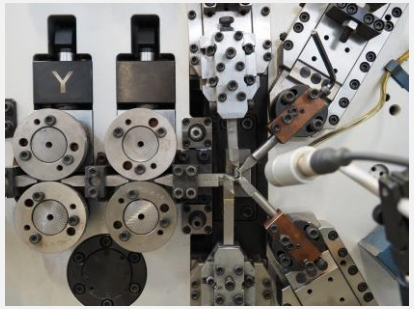
OUR TECHNOLOGIES

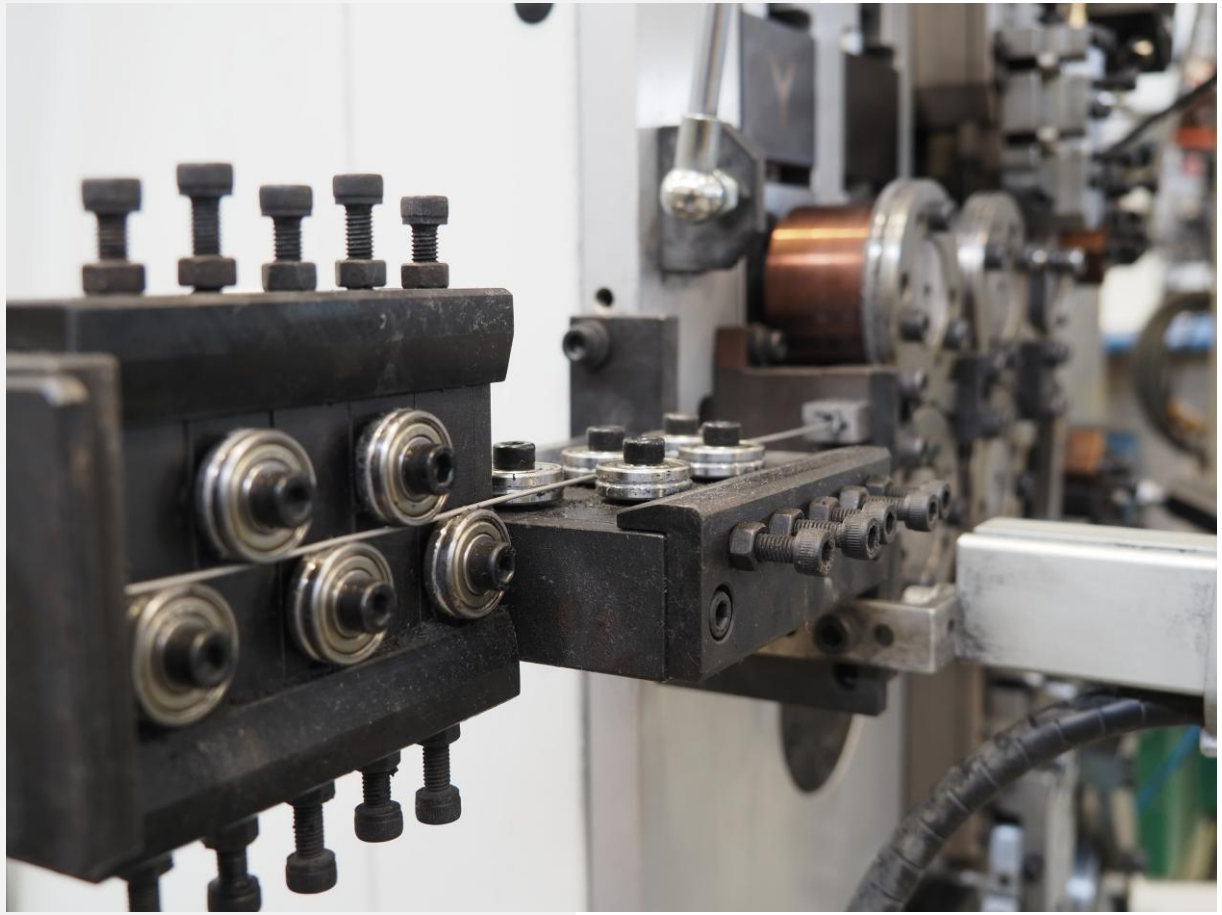




COILING MACHINES

OUR TECHNOLOGIES

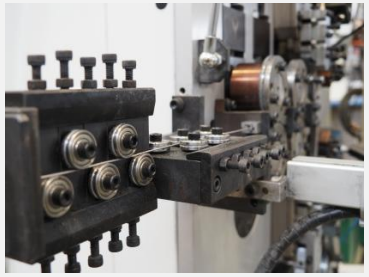






COILING MACHINES

OUR TECHNOLOGIES



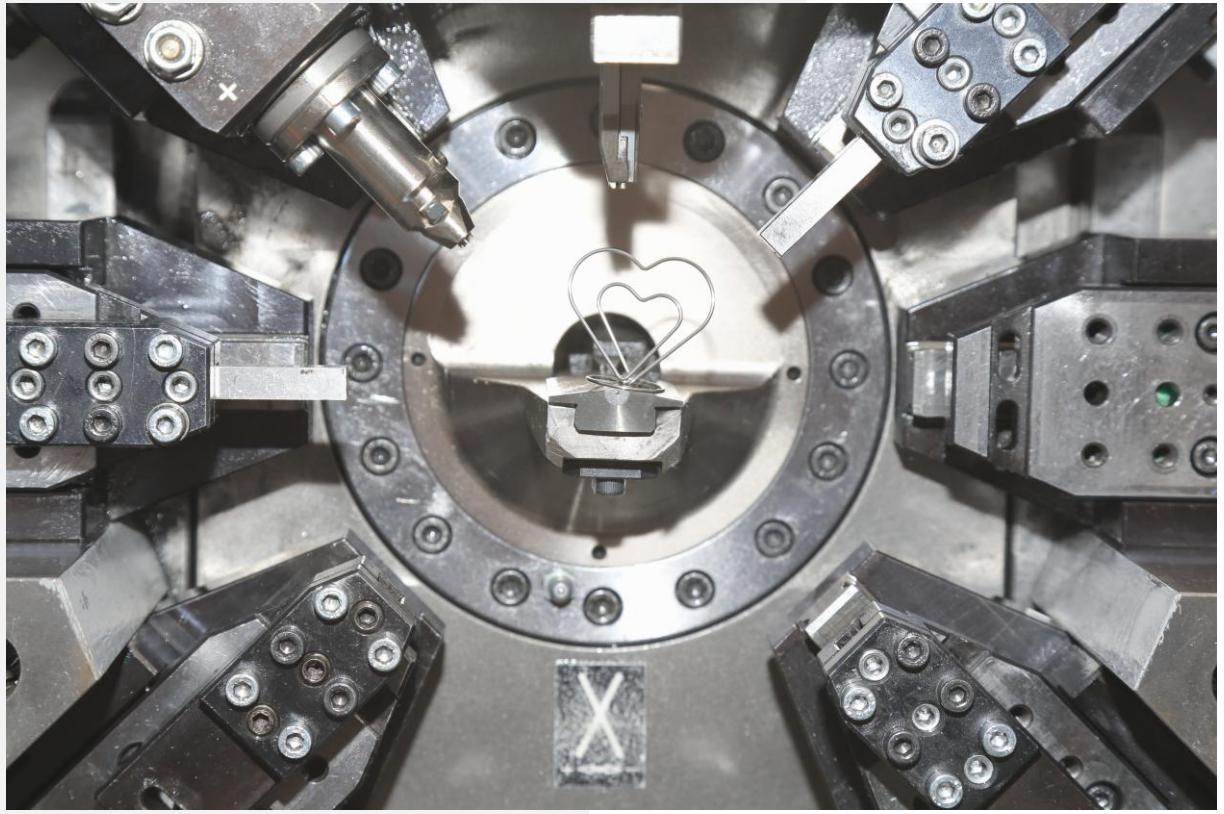




COILING MACHINES

OUR TECHNOLOGIES







SPRING FORMERS

OUR TECHNOLOGIES







SPRING FORMERS

OUR TECHNOLOGIES



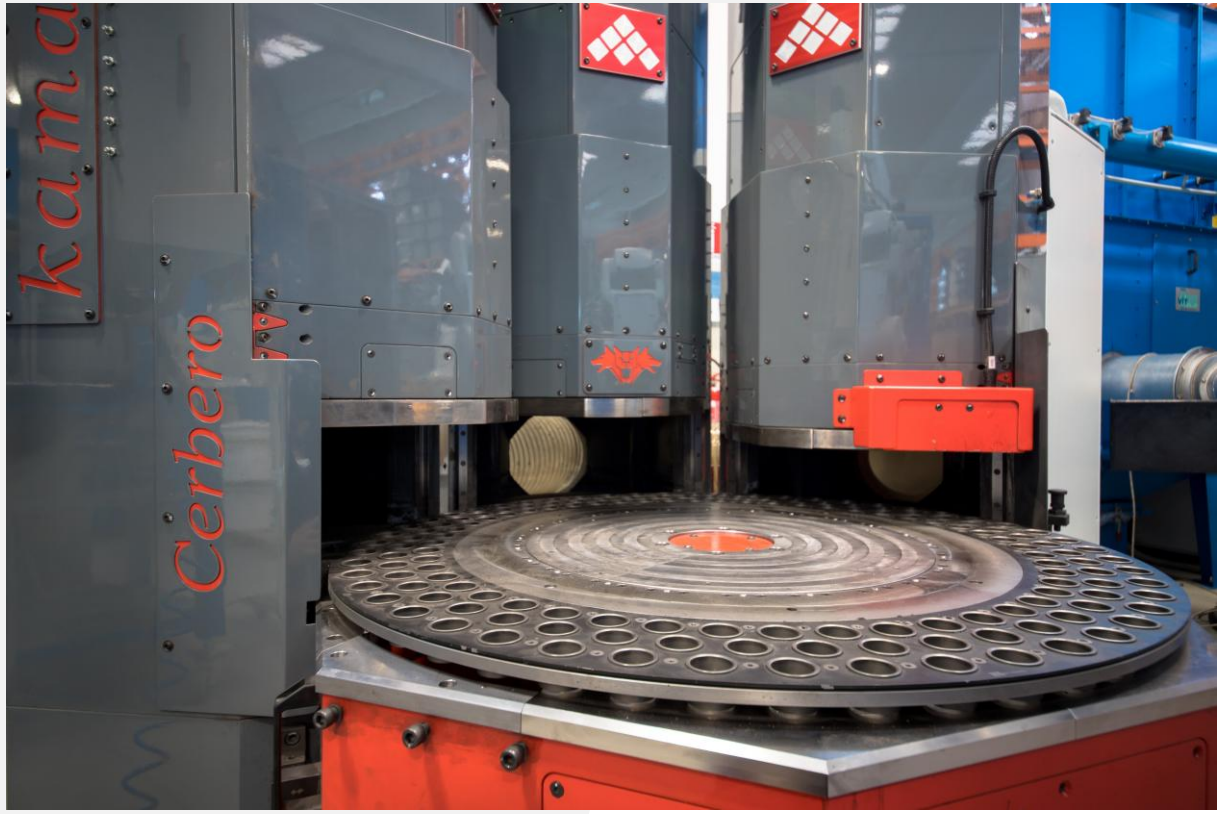




GRINDING MACHINES

OUR TECHNOLOGIES

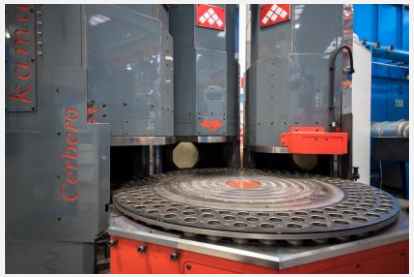






GRINDING MACHINES

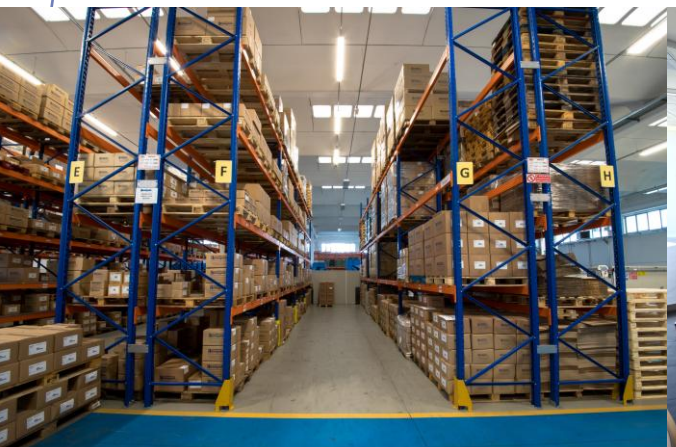
OUR TECHNOLOGIES



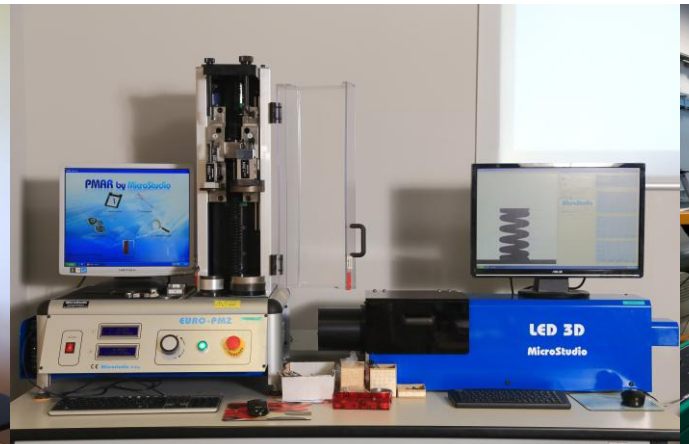


GRINDING MACHINES

OUR SERVICES











QUALITY

We carry out rigorous testing at every stage of production:

- **Incoming material inspections**: we use high-precision instruments, such as micrometer, to check the compliance of materials.

- **Automatic controls in production**: we constantly monitor quality through:

  - LED50 and laser systems for measuring spring free length.

  - ECT technology for wire surface quality control.

- **Control stations in production**: located in the production and grinding departments, they ensure that each component meets the required quality standards.

- **Final testing**: at the end of the production cycle, each batch undergoes extensive testing with high-precision instruments. We use :

  - Dynamometers and torque transducers to verify the mechanical characteristics of springs,

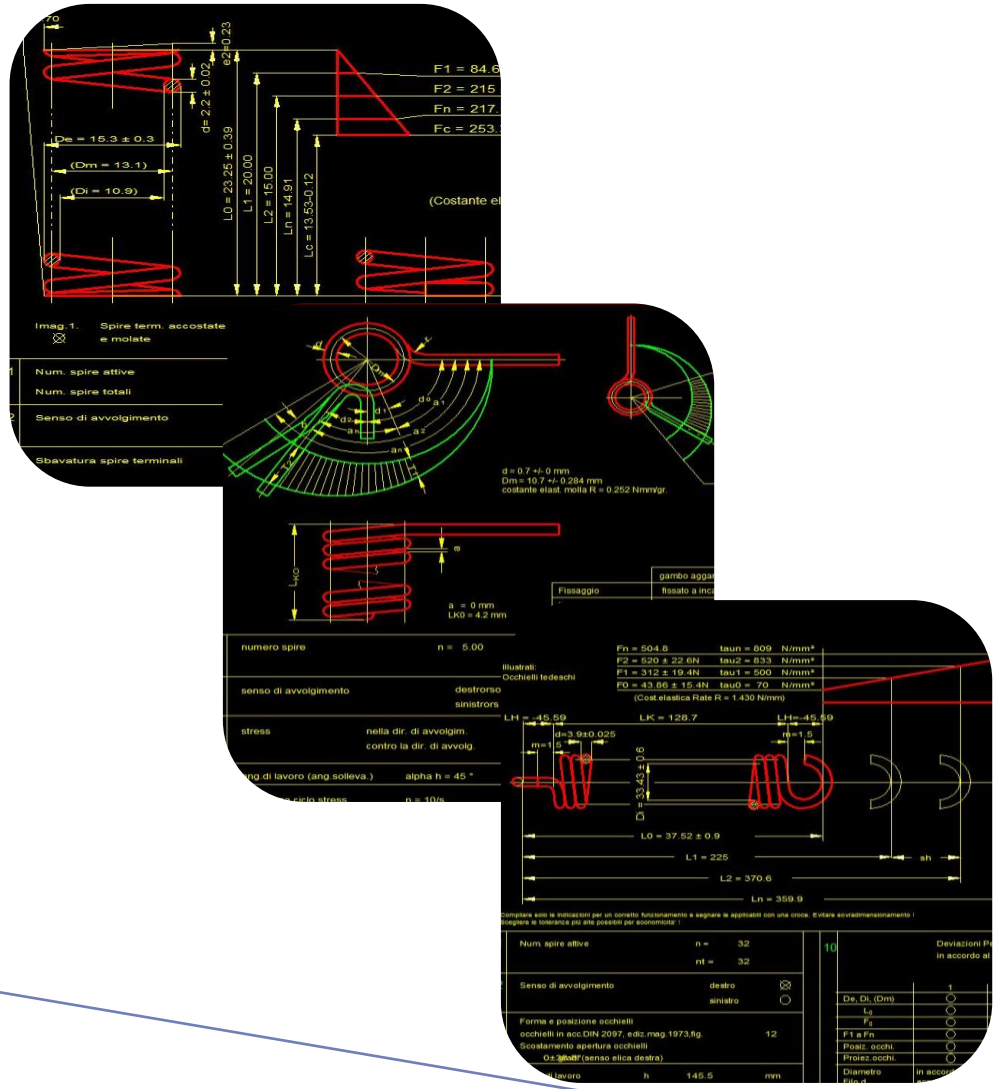
  - 2D and 3D LED systems for automatic dimensional inspection,

  - Keyence profile projector and electronic microscope for detailed geometry analysis.

LOGISTICS

- Management of consignment stock
- Scheduled orders and open recall orders
- Just in Time supplies to minimize waiting time

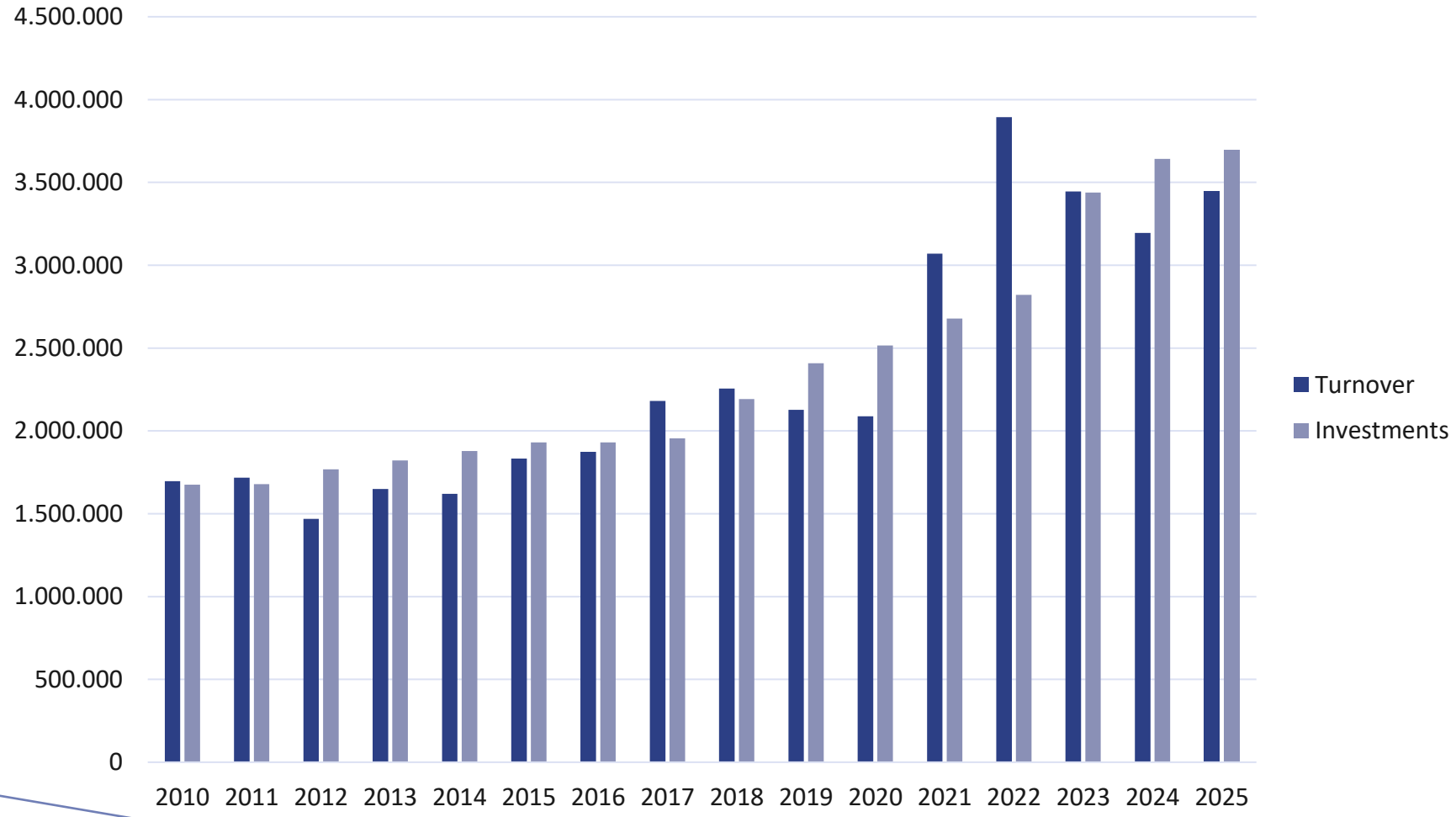




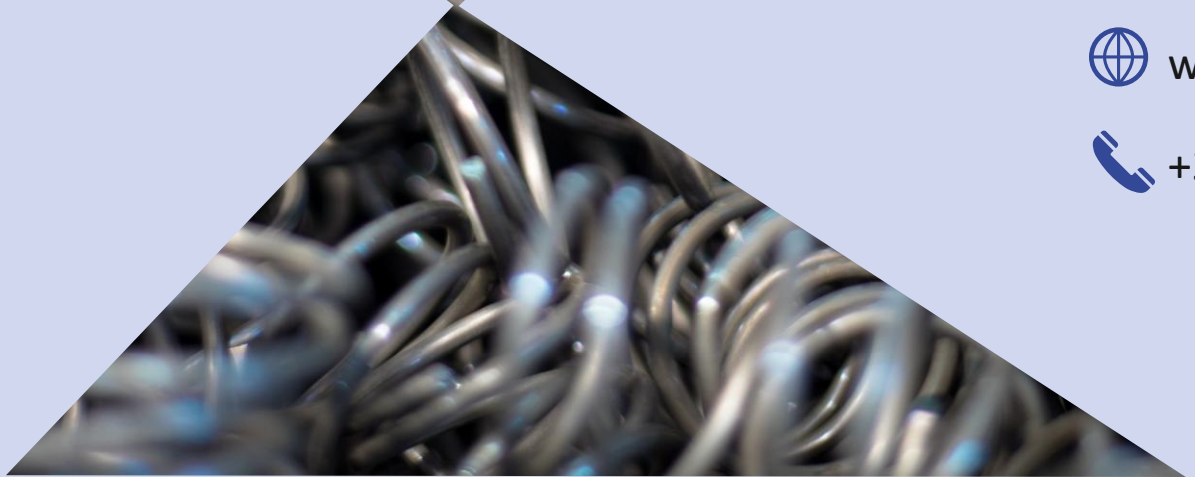
TECHNICAL SUPPORT

- Comprehensive technical consulting
- Support throughout all development stages: from design to prototyping
- Optimization studies for product and production process

SOLID AND CONSOLIDATED GROWTH







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