

Top level design compressor valves

Reed valves, flapper valves, leaf valves and valve retainers. Mostly used in refrigeration compressors for the civil, industrial and automotive sectors.



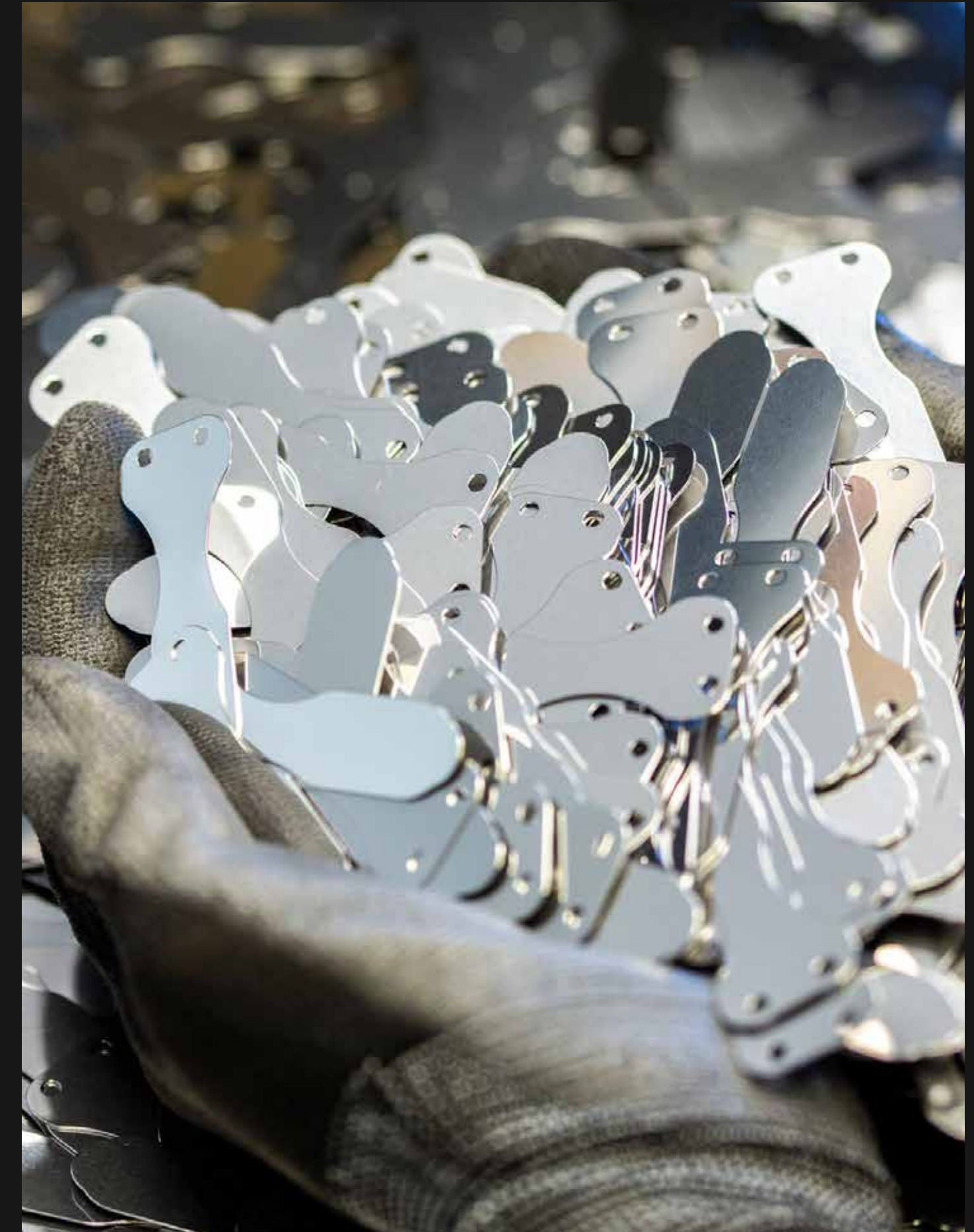
MATERIALS

High Quality

Excellent quality components result from very selected materials.

Our flapper valves and reed valves are obtained from very thin ribbons of tempered steel, specifically developed for these applications. We have business partnership with market-leading suppliers, such as Sandvik and Voestalpine.

The absolute reliability of material composition guarantees high repeatability and maintenance over time of the physical qualities of each product.



TOP SPECIALIZATION

Precision Blanking

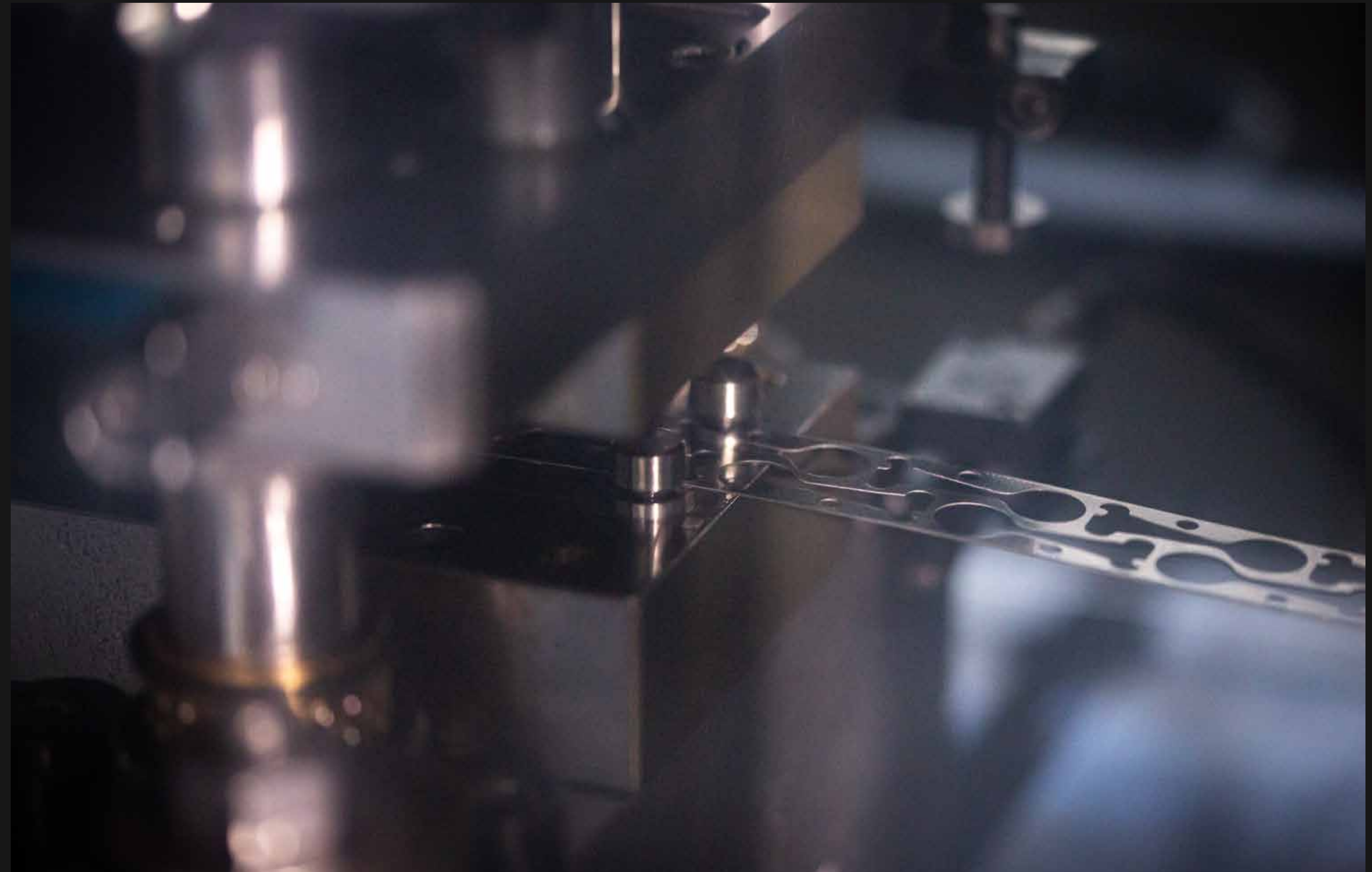
Precision steel blanking is one of our top specialization.

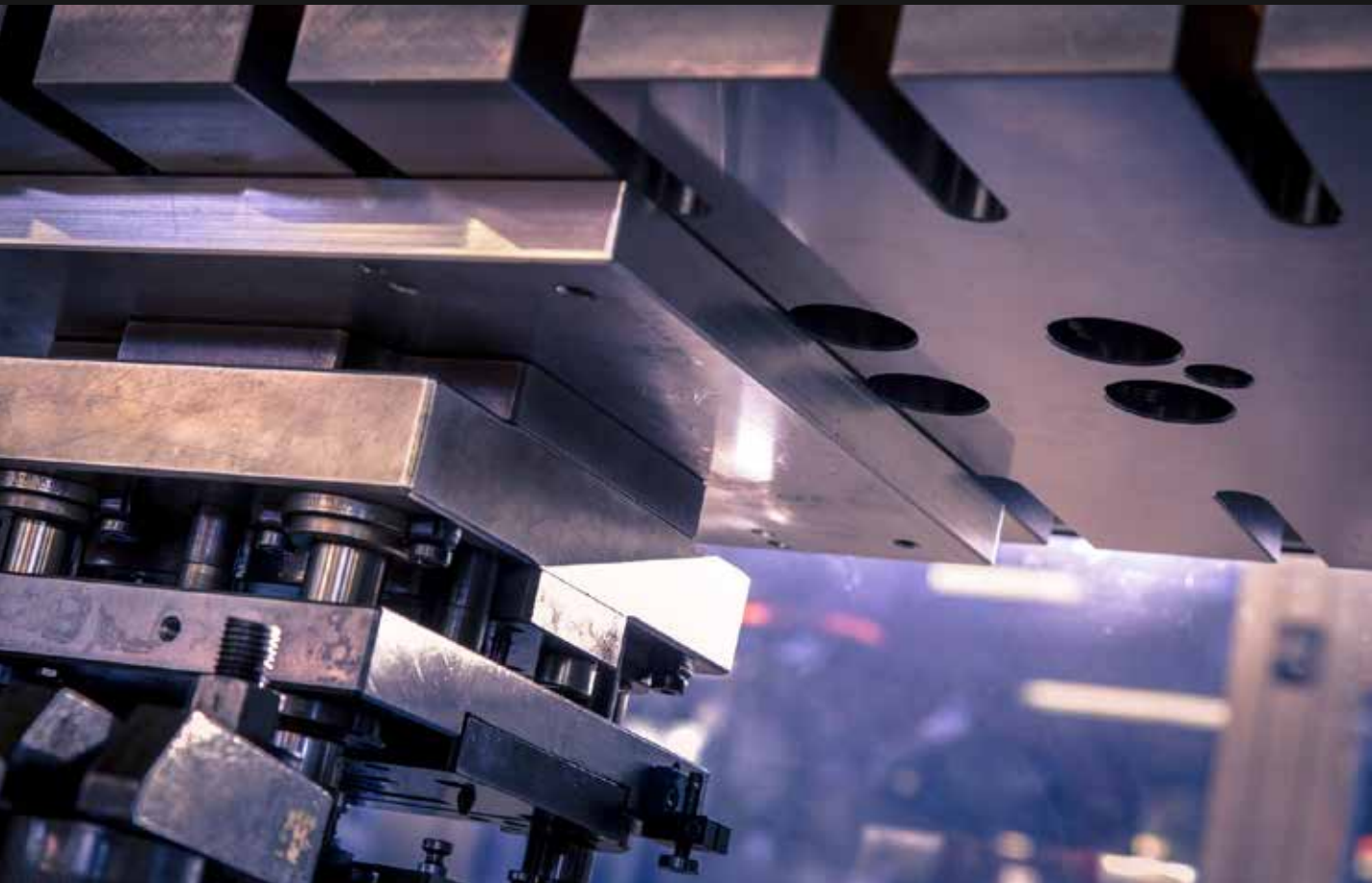
Our R&D department studies and designs the cutting dies for all types of products.

Maximum performance is achieved through Bruderer stamping machines, which have been equipped with sensors for the press control management system.

We are able to manage the most critical aspects of the blanking process, thus guaranteeing dimensional tolerances and complex geometries as per customers' requirements.

Each production phase is carefully studied to allow early detection of material or product defects.





SURFACE TREATMENTS

Tumbling

Tumbling and polishing create noticeable added value in our production process.

As mechanical parts subjected to fatigue, valves are studied and processed as to avoid the formation of microcracks on their surface.

Precise and standardized tumbling processes, with custom-made receipts, allow us to obtain the maximum performance from the components and to guarantee extremely high levels of resistance and durability over time.

We are expert in obtaining residual stress increase during the tumbling phase.





TECHNOLOGY AND INNOVATION

Custom-made processes

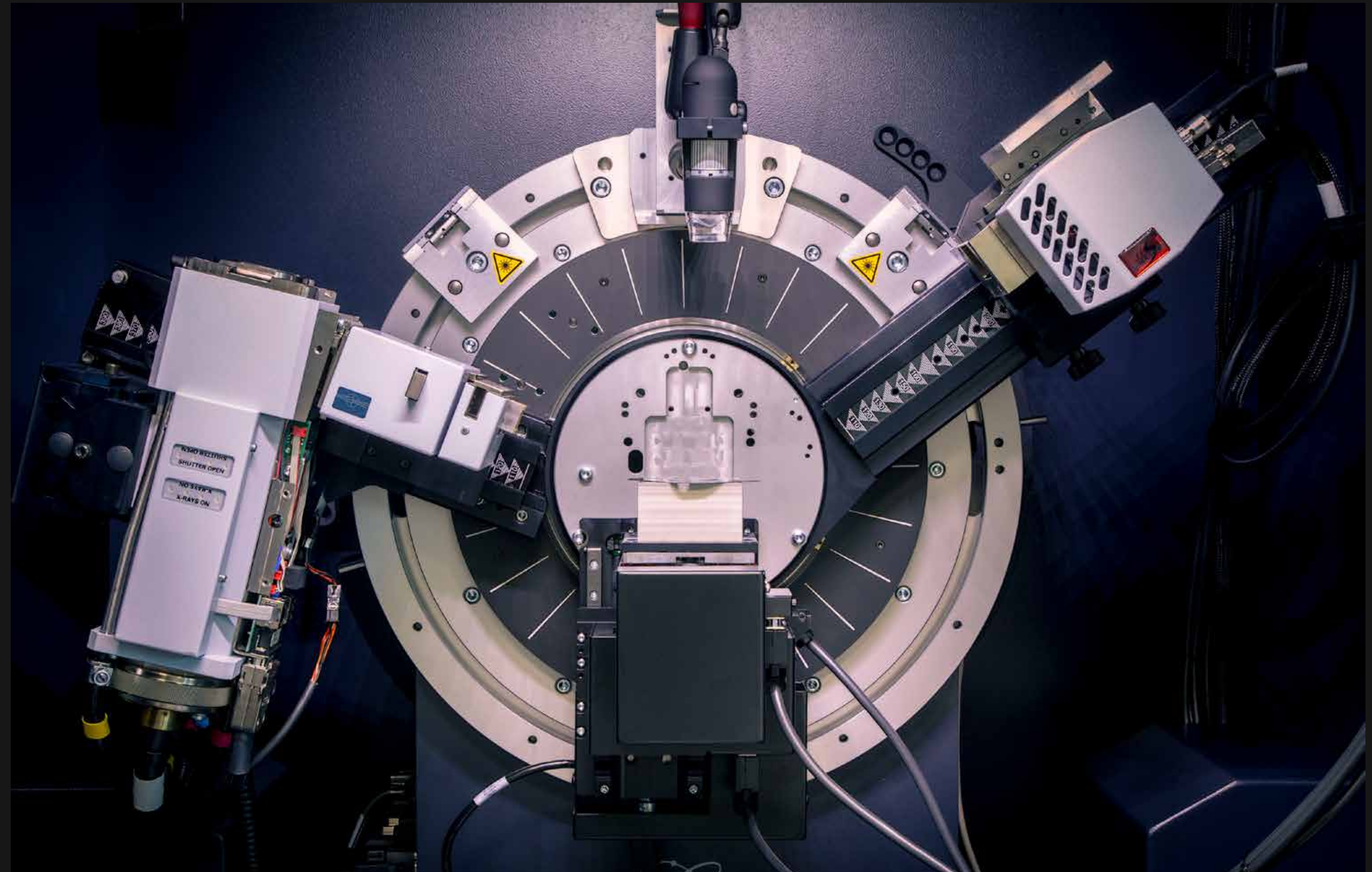
We have a strong focus on process study and innovation.

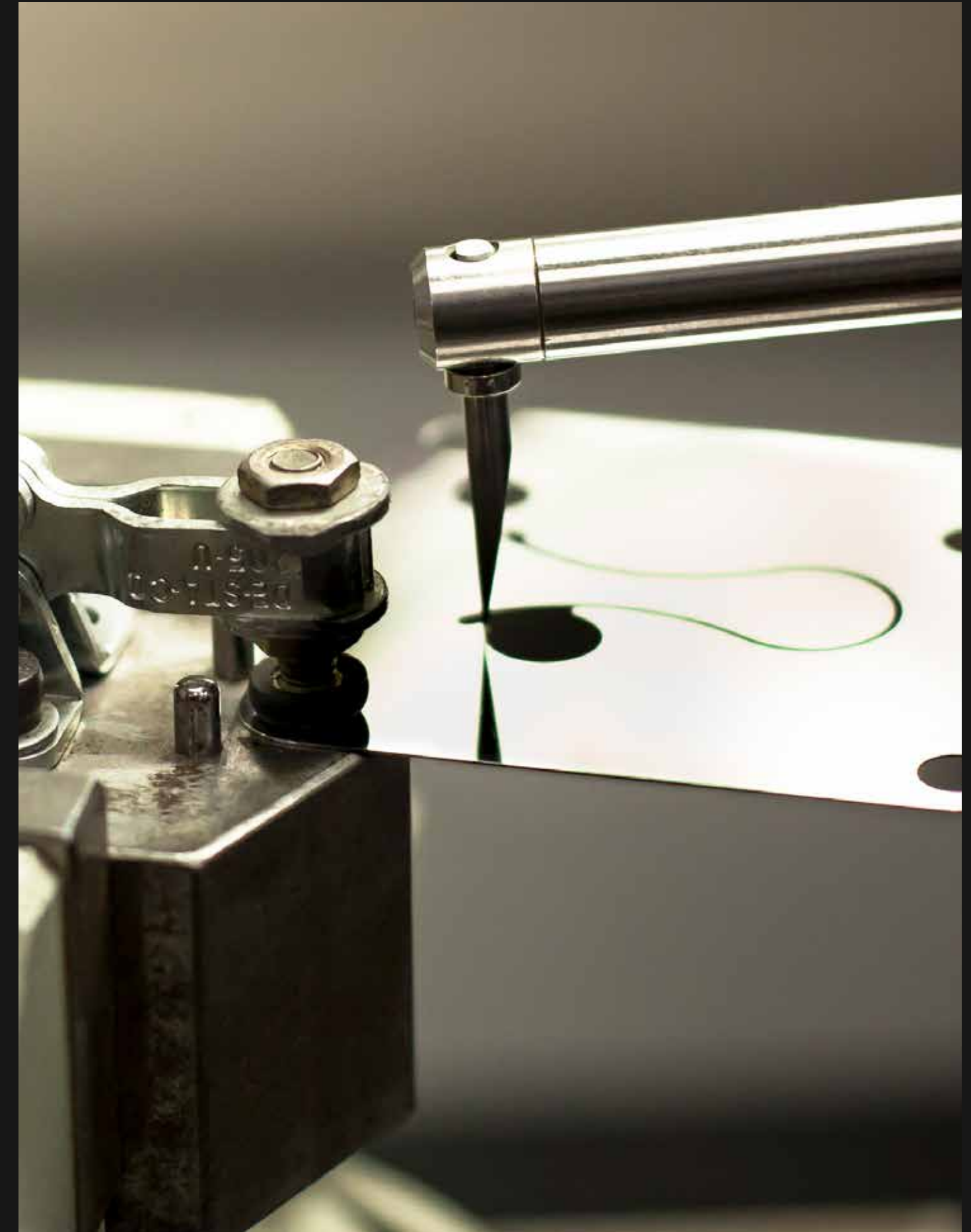
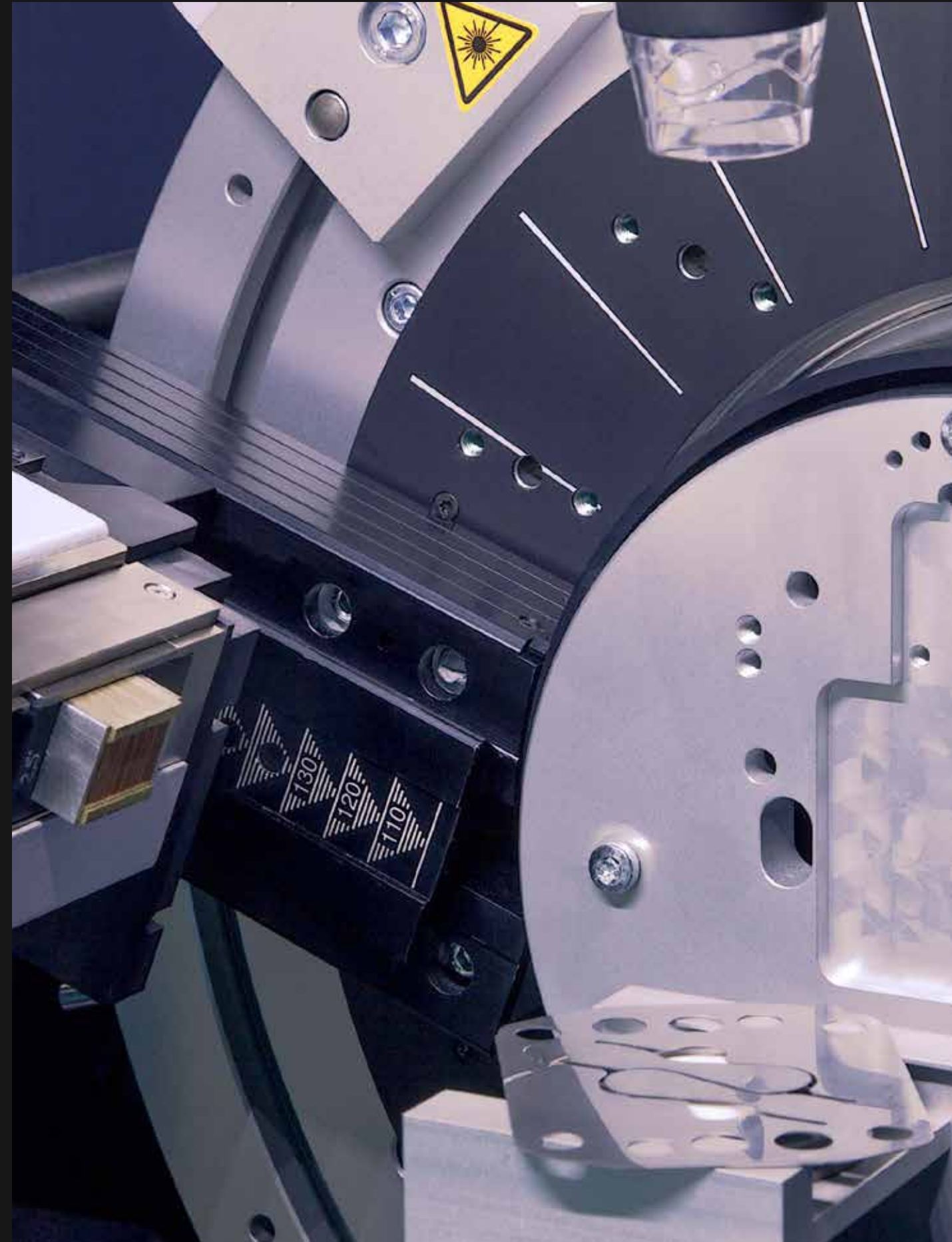
In compressor valve applications, our R&D department is able to support the customer starting from the earliest stages of a project development.

We accurately select the most suitable materials, carry out a co-design activity on piece geometry, design the dies and cut the metal.

We define finishing cycles according to Customer's specifications.

A Bruker X-ray diffractometer allows us to carry out certified measurement tests of residual stress and to achieve the fatigue resistance degree required by the Customer.





WHO WE ARE

Vito Rimoldi

Vito Rimoldi S.p.A. has been operating in the production and marketing of seals and technical items for industrial use for more than 80 years. Since its creation in 1940, the Company management has remained in the hands of the Rimoldi family, thus guaranteeing total autonomy in making corporate decisions.

Over the years, Vito Rimoldi has earned domestic and global recognition by reason of its experience and expertise in a huge variety of gasket application fields.

Our vision: To increase our company's recognition in the international market for its technical skills and culture of innovation.

Our mission: To continually work towards improving the quality of our products to benefit our customers.

3.500

active references

900

active customers

55%

of the turnover generated from non domestic markets

CONTINUOUS IMPROVEMENT

How we work

We strongly believe that every item, even the simplest, such as a gasket, a small foam bushing, or a blanked metal sheet, has room for improvement that needs to be discovered. And this can be achieved only by investing heavily in research.

It is from this awareness that the collaboration between Vito Rimoldi S.p.A. and the the best Italian University Centers came about.

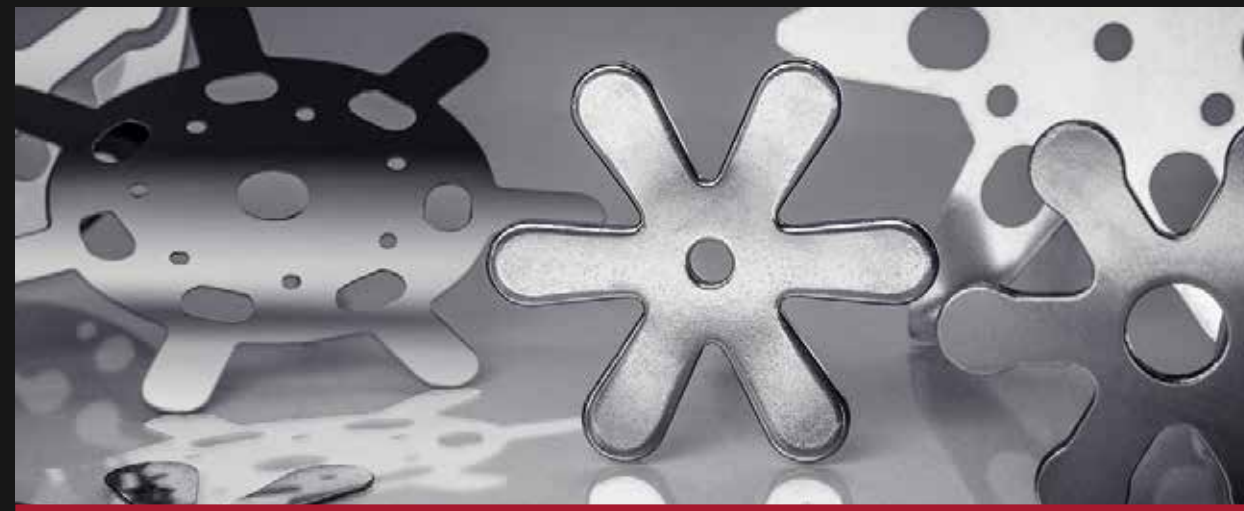
And that's not all. The quality of our products is one of the main strengths of our company. For this reason, we create and design processes that allow the early detection of faults, so that they are found before the final checks at the end of the production cycle.

Our workshops have obtained remarkable results in the research applied to the specific needs of our Customers: this collaborative way of working has fostered the development of many areas of excellence.

Laboratory tests**Sensors on dies****Research in collaboration
with manufacturers of
materials****Supporting design and
product engineering****Optimization of materials****Support during the
experimental stage****Development of new
production lines****Collaborations with
assembly system
manufacturers**

OUR PRODUCTS

Totally reliable products



**Stress-resistant
precision-blanked parts**



Aluminium radiator gaskets



**Gaskets for hermetic
refrigeration compressors**



Metal-rubber gaskets



Soft gaskets



Foam dampers - Cellasto® parts