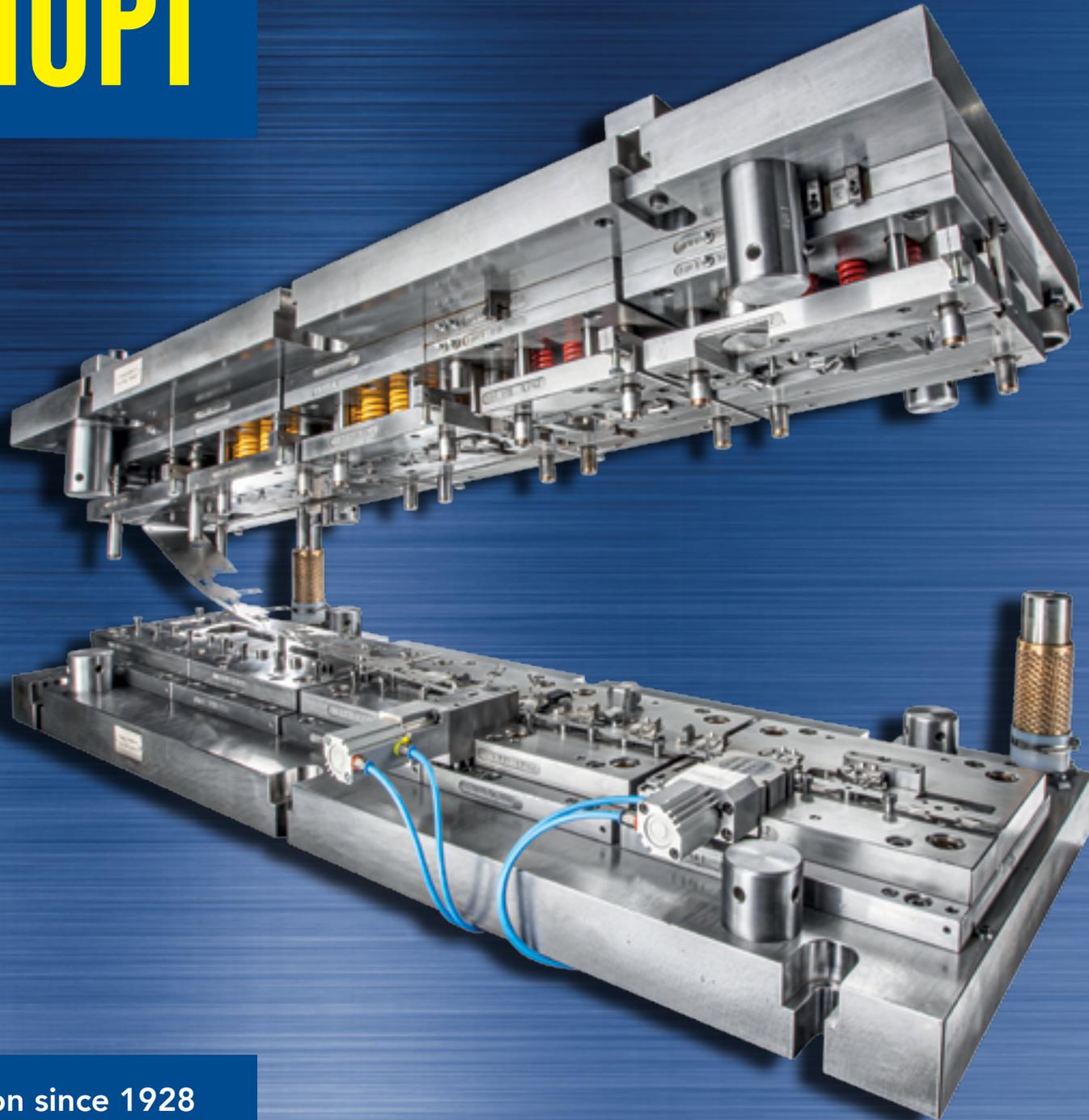


HAUPT

Stamping and forming technology



Precision since 1928



We'll go
to the limit
And further
if necessary

Precision since 1928: Julius Haupt GmbH

Perfect solutions for the highest demands.

As your preferred partner, we plan, design and build perfect stamping and forming tools: exactly customized as per your specific requirement.

We manufacture high-quality precision stamped parts from a variety of metals in thicknesses from 0.05 mm to 5.0 mm along the technical limits: everything tailor-made from a single source, from development to completion of the stamping and forming tools.

It is always a long way from a specification to the finished product – for our customers often a balancing act between quality and competitiveness. Therefore, we listen very carefully in order to develop optimal solutions without compromises.

With know-how and visions: no matter whether prototypes, small series or several million parts per year. Thanks to our wide range of machinery, we can satisfy any quantity you are looking for.

According to your wishes, you can obtain individually punched parts: in bulk, on reels or in special packaging,

disposable or returnable. Together with our partners, we are able to supply our parts with any standard finishing and surface treatment.

Demanding customers worldwide appreciate our high quality level which is manifested by our long-lasting business relationships with the most prestigious German and international manufacturers.

We are proud of this and will gladly accept your challenge, too.



Achim Haupt
Managing Director

Francesco Bruno
Managing Director



Bright future Fine tradition

Our quality is historic

As early as 1928, founder Julius Haupt focused on details: with the production of precise cutting and embossing tools for the Idar-Oberstein filigree jewellery industry. With the purchase of the first punching press in 1953, the company started its own series production of punched and formed parts.

When his son Herbert Haupt took over the management in 1964, supra-regional markets had been developed

and supplied in series – e.g. the automotive industry with decorative parts such as trademarks, type plates and speedometer needles. Since the mid-1980s, the focus of production has increasingly shifted to technical stamped and bent parts.

Today, in the third generation, Achim Haupt and his 70 employees develop and produce high-quality precision components with the corresponding stamping and

forming tools. The target markets are an array of industries where perfection is key.

This manufacturing quality, together with flexibility and delivery reliability, is what we live for. This is being confirmed by our long-term and consistent international customer relationships from a wide range of industries, primarily the automotive and electronics industry.

Company founded
by tool maker
Julius Haupt

1928



Purchase of first
stamping press

1953



Company relocation
in the
Vollmersbach Street

1959



Herbert Haupt
takes over the
company

1964



Expansion of
tool shop area

1980



Achim Haupt appointed
as new
Managing Director

1990



First construction
stage of new
production site

1999

Trust must be earned

Our own standards are extremely high – because this is the only way to achieve the perfection and quality that our customers expect.

We are far more than just a supplier of high-quality products and innovative solutions: we follow every project throughout the entire process from specification to the final product.

With this holistic know-how, even the most difficult projects remain in one hand – thoroughly supervised. So we do not only follow the highest standards in technology, but provide our customers with an added value through competence, experience and short response times.



Precision is our DNA



We promise We deliver

We have shown many times how to cope even with the most difficult tasks and we know what is important to our customers. This experience makes the difference since our projects often move along the limits of feasibility in respect to materials, critical tolerances and highly complex elements.

Therefore, we talk absolutely straight – always. Because reliability is our top priority in regard to our products, our internal communication and, last but not least, in regard to our relationship with our customers.

The extra mile we go, makes a big difference: the right mix of experience, new approaches, ideas and skills. As an owner-managed family business in the third generation, we live and love flat hierarchies: short paths, clear and straightforward exchange.

Our drive? To serve the challenges of your market - as your efficient and reliable partner. Because we stand for the competitiveness and sustainable success of our customers. Promised!



Our solution Your future

precise

quality on a
constantly high level

flexible

with your specific requirements

on time

reliable deliveries for your
seamless production

innovative

the right instinct for your market

efficient

attractive prices for
your competitiveness

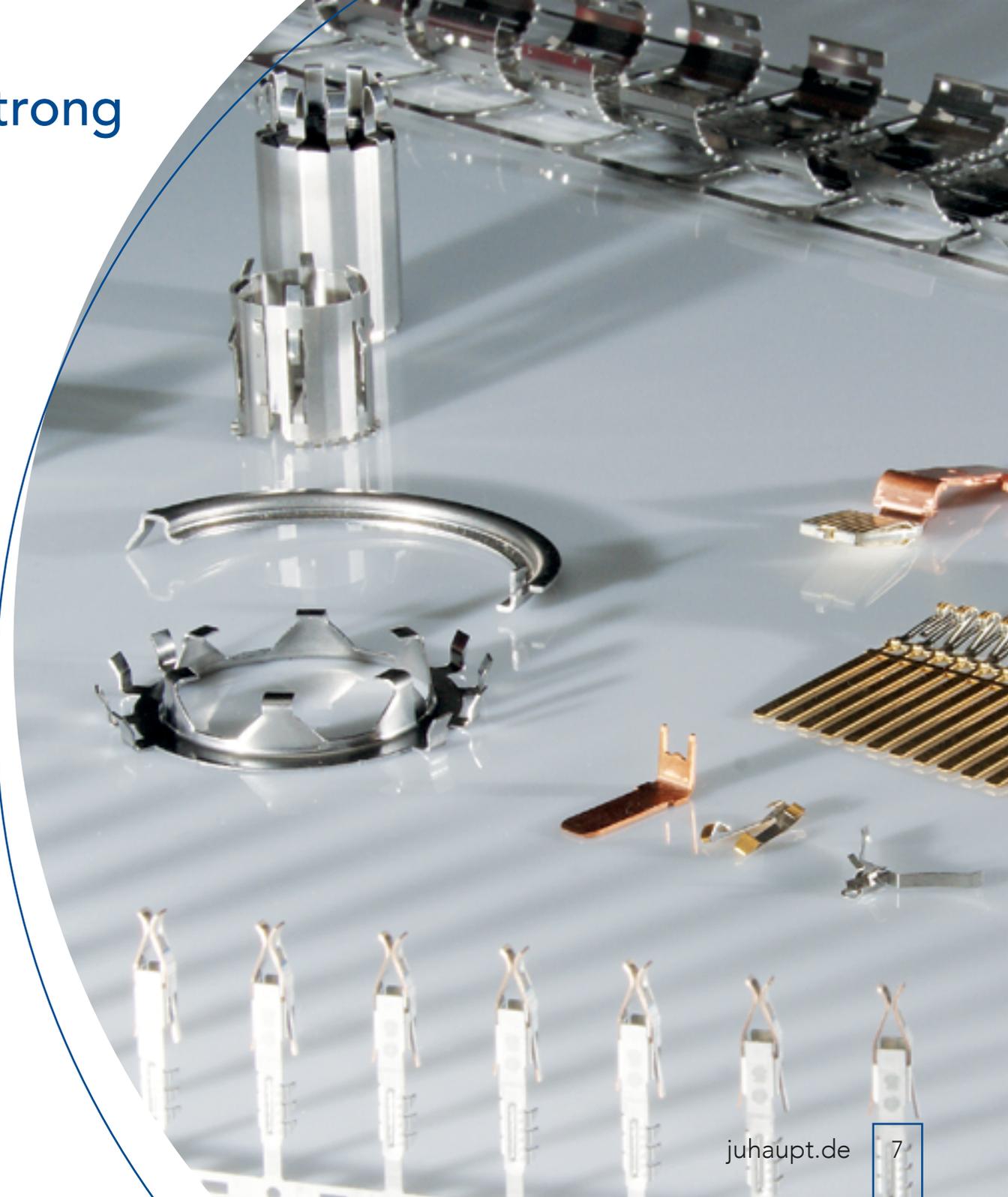
Each system is only as strong as the single part

We produce stamped and formed parts for all applications and highest requirements:

- all metals with material thicknesses from 0.05 mm to 5.0 mm
- band widths up to 400 mm
- punching force up to 1600 kN
- table length up to 1600 mm

Delivery of complete parts including post-treatment:

- deburring
- washing
- machining
- welding
- assemblies
- heat treatment
- surface treatment



Your ideas Our know-how

Design and Development

As soon as we have mutually defined the requirements for the serial part, the optimal tool concept is planned: from the simplest prototype tool to high-end tools, suitable for high-speed operation with 100% monitoring using the latest sensor technology. We take into account all available data on quality requirements, total tool life, batch sizes and costs.

It is important to us that agreed quality features of the serial part can be manufactured reliably. Here, we rely on an extensive FMEA. Thus, our many years of experience is reflected in every new design as a circle of continuous improvement process (CIP) from the development phase onwards.

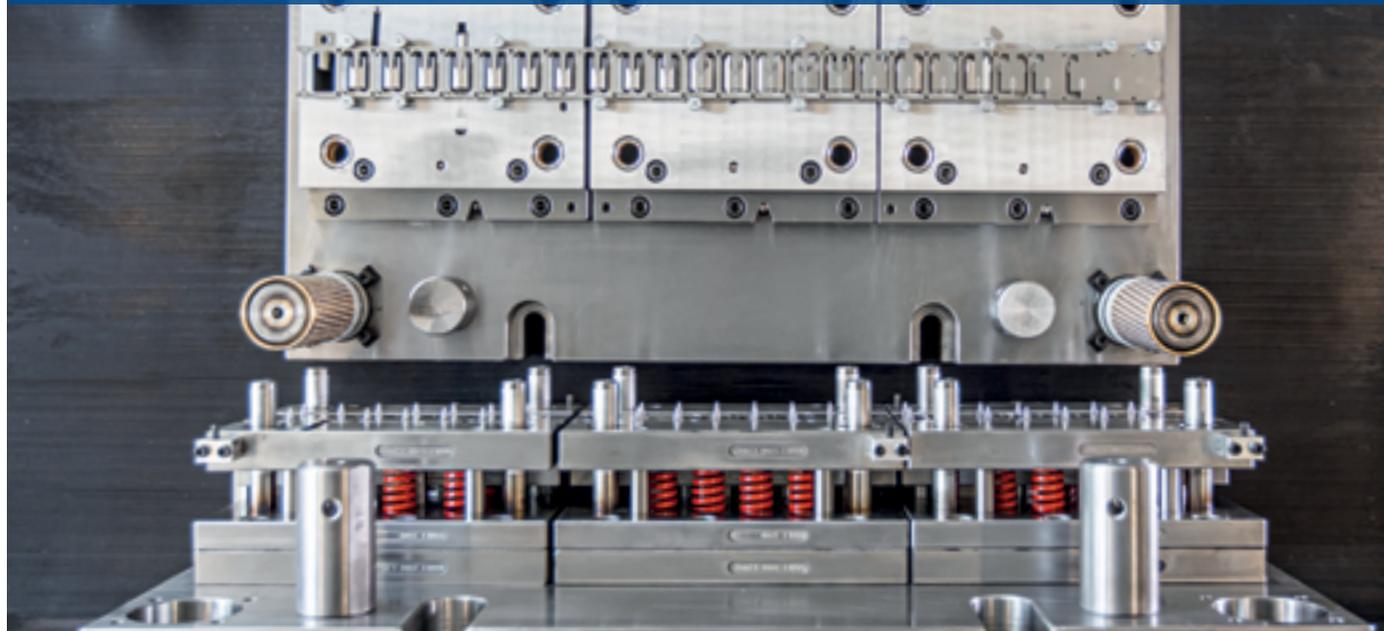
Upon request, we would also be pleased to support you in the development of the series part. If function and requirements are known, we advise you on the stamping feasibility and cost-effectiveness.



3D CAD / CAM System (VISI)

Data exchange
with all common file formats
e. g. STEP, IGES, DXF,
DWG, Parasolid, etc.

Your vision becomes real



High standards Great tasks

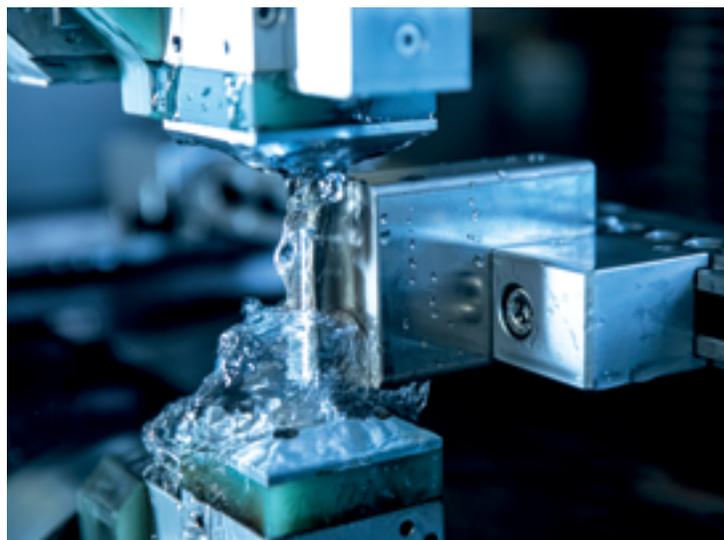
Tool and Prototype shop

During design stage of the tooling, we discuss with our customers potential challenges in their markets and anticipate problems before they even exist.

These considerations are reflected in each tool design being produced in our own tool shop. Here, approx. 20 tool makers are producing high-quality stamping and forming tools suiting your demands.

As per customer requirement, complete initial sample inspection reports and capability studies are supplied in addition to initial samples and pilot series.

After all, your projects should shape the future.



Wire eroding machines from Agie/GF and Fanuc

traverse path up to
500 mm x 350 mm x 400 mm

Machining centres

traverse path up to
1200 mm x 600 mm x 675 mm

Surface and circular grinder

High-tech plus experience

Shop floor and stamping technology

All type of metals - including surface-finished or selectively-finished strips - are processed in high quality and competitively. With material thicknesses from 0.05 mm to 5.0 mm, strip widths up to 400 mm and with a punching force of up to 1600 kN, we produce precision stamped parts for the highest requirements.

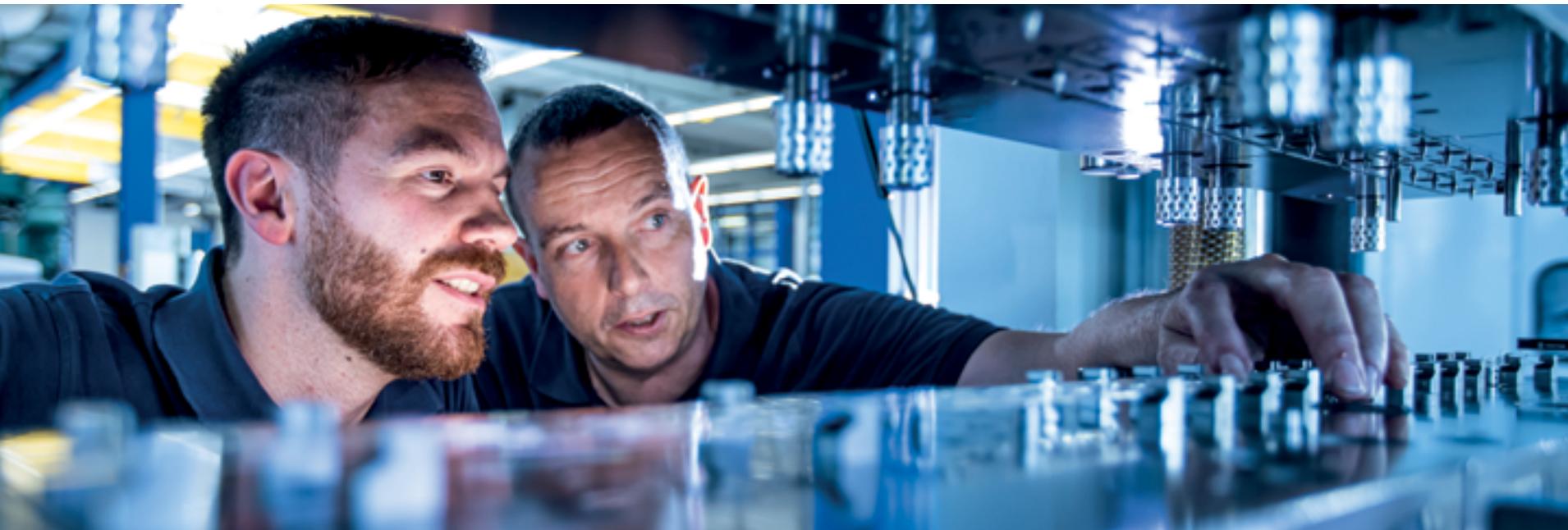
By the way, you don't need to choose between quality or

price. Thanks to high-end automatic stamping presses, we are able to offer large series at competitive costs. At the same time, our wide variety of processing equipment also ensures an economic production of medium and small series while maintaining top flexibility.

Our machinery is constantly being expanded with additional equipment and state-of-the-art technology - in line

with the constant changes and demands of the market.

To guarantee quality, all stamping presses are equipped with tool monitoring systems while the processes are being monitored via our CAQ system. In conjunction with the specifications of our company-wide QM system according to ISO 9001 and IATF 16949, we can ensure an error-free and highly reliable production.





The whole in mind Accurate in the detail



High-performance stamping presses from Bruderer and Haulick + Roos

- Pressing force from 180 kN to 1600 kN (partly with servo drive)
- Automatic spool winders
- Vision systems and strip welding machines

Automatic stamping presses from Kaiser

- Pressing force from 120 kN to 1000 kN
- Also suitable for smallest batches

Eccentric presses

- Pressing force from 60 kN to 1600 kN

On request, we supply our stamped parts with various post-treatments, such as deburring, washing, heat treatment, surface treatment, subsequent machining, welding or assemblies.

In addition, we use both modern deburring and cleaning installations to meet current cleanliness requirements.



Zero defect
included



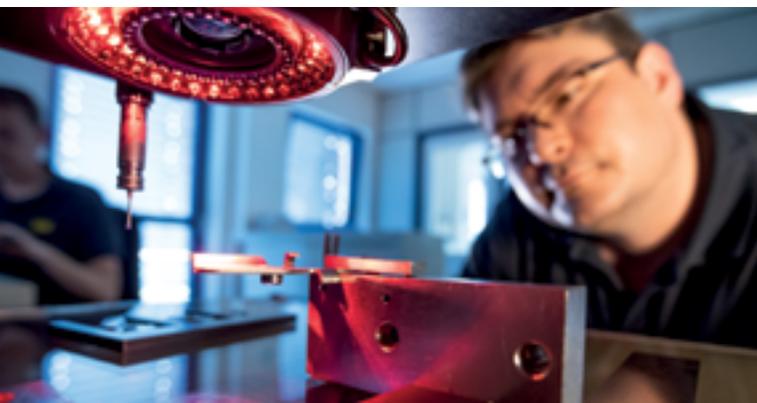
Our measurement laboratory is equipped with modern measurement devices such as optical and tactile 3D measuring machines, digital measuring microscopes, digital profile projectors, visual inspection equipment, hardness testers and devices for measuring coating thicknesses

Quality Management

Being exact – that is us. Our ambition to meet customer satisfaction, cost effectiveness and reliability can only be achieved by a high manufacturing quality.

This is why we introduced a comprehensive quality assurance system back in 1985. Since 1994, it has been based on the strict specifications of the German Association of the Automotive Industry (VDA), it was certified for the first time in 1997 and has been continuously improved. Meanwhile, our quality management system was approved several times and is certified to the latest standards of ISO 9001 and IATF 16949.

This system follows the „zero defect“ philosophy and uses all conventional QM methods. In addition, it provides the instruments for a systematic, continuous improvement process that applies to all of our company's cross-departmental activities.





Your wish -
delivered!

Perfectly customized

Anywhere you want, any way you want: frequency, batch size, type of packaging or shipping. Whether bulk packaging or special packaging such as thermoforming foil, tapes/reels or blister belts.

A direct connection to your production planning system is also possible.

Our continuous labeling system enables traceability from the finished product to the respective batch of raw material.

In case your specifications require a cleanliness analysis, it will be promptly done in cooperation with partner laboratories.

All in all, we think in a future-oriented and comprehensive way. This is also reflected in our environmentally friendly cleaning processes: the process water used for water-based cleaning is recycled and our second cleaning technology works extremely efficiently by using modified alcohol.

We know a lot about small parts

About big challenges, too

Call-offs

Your delivery schedule in EDI format is automatically transferred into our in-house ERP system – the direct basis for our material and resource planning.

Shipping

Each delivery is supplied with a barcode – either according to the VDA standard or individually agreed with you. When the goods are picked up, an EDI-supported shipping notification in accordance with the VDA standard can be transmitted. It makes sure you are already informed at an early stage about incoming deliveries and thus, a seamless production in your factory can take place.

Order processing

The paperless order processing is completed by the electronically sent order confirmations and invoices.



Automotive

- sealing washers
- retaining rings
- caps
- sliding plates
- wear indicators
- supporting rings
- washers, spring washers
- logo sheets
- cable holders
- electronic components



Electronics

- tabs
- contacts
- lead frames
- crimp contacts
- shielding plates
- solder lugs



Machinery and plant engineering

- sliding plates
- clutch plates
- earth terminals
- cable clamps
- mounting plates

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