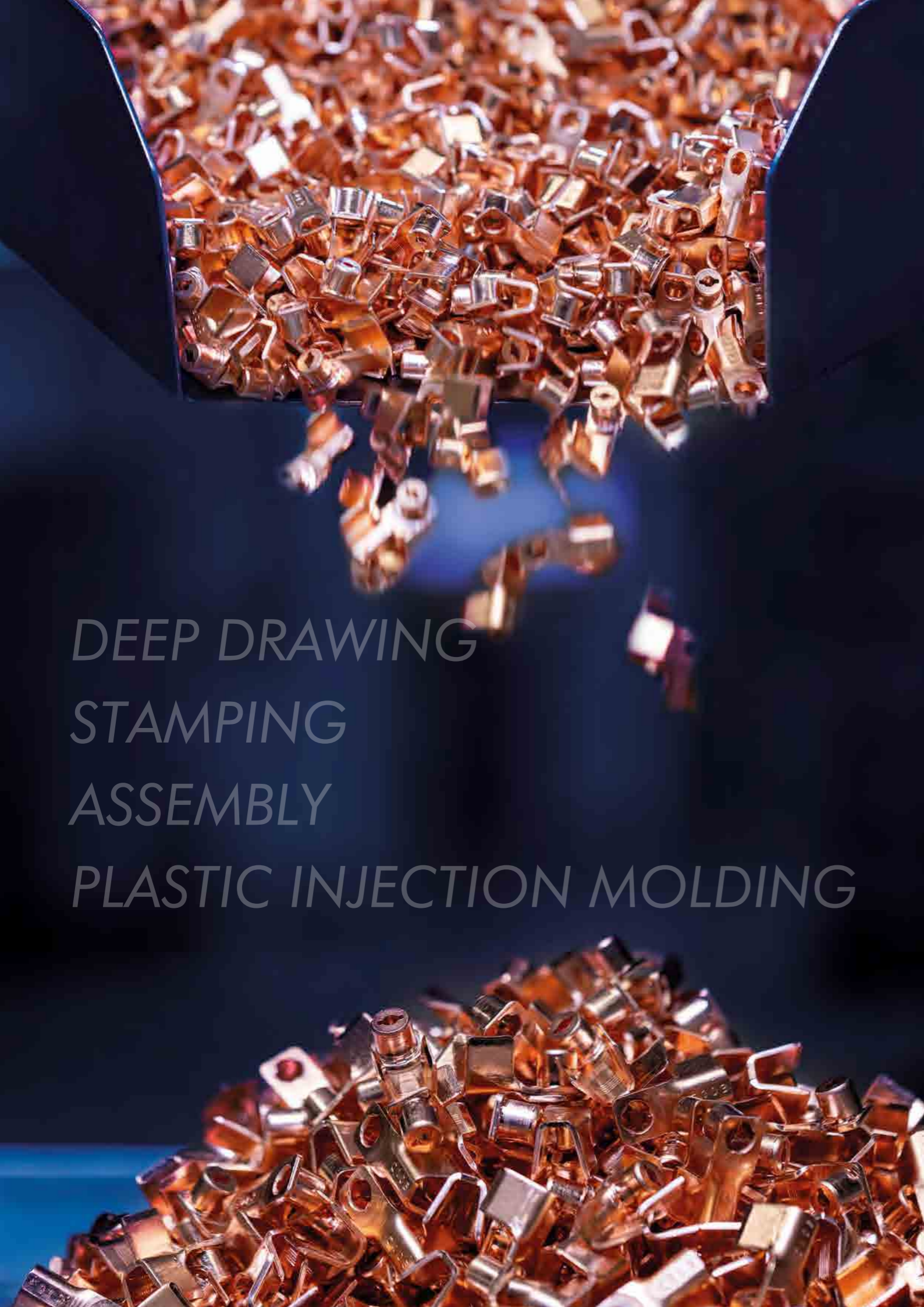


STÜKEN



DEEP DRAWING
STAMPING
ASSEMBLY
PLASTIC INJECTION MOLDING

STÜKEN MEANS MORE



STÜKEN is MORE

Welcome to STÜKEN! We are a family-owned company with production sites in Europe, Asia, and North America. Our team consists of more than 1 200 employees worldwide who make sure, day in and day out, that millions of high-precision metal parts keep the world running. Together with our customers, we develop solutions for the future.

We have been creating products whose technology has been inspiring our customers since 1931. As the global market leader for small metal formed parts, we take your challenge and turn it into a functioning product – efficiently produced and with a high level of quality you can rely on.

We stand for the highest levels of precision in the production of deep-drawn parts, stamped parts, and assemblies, and think in terms of solutions for you. We are constantly working on developing our company, skills, and processes further. “STÜKEN MEANS MORE” is what drives us to shape the future together with you. It is our promise to offer you more. More than you expect, more product benefits, more service, more added value, more progress, more sustainability, more quality. Take a look at our range of services, and see for yourself what we have to offer.



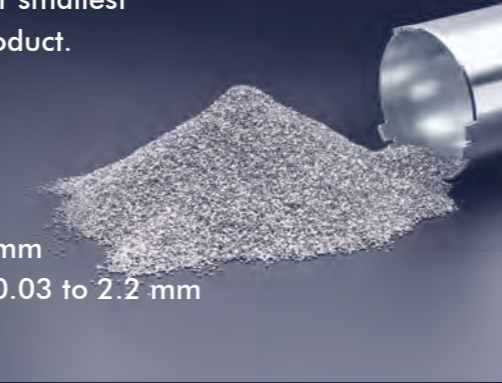
Cross-Industry Experience

- Mobility, e.g. Cars and Trucks with all Drive Systems
- Electronics and Electrical Engineering
- Industrial Applications
- Medical Technology
- Household Appliances
- Building Technology

220 000 pieces of our smallest product fit into our largest product.

Our deep-drawn parts have

- Dimensions up to 92 mm height
- Diameters from 0.4 to 75 mm
- Material thicknesses from 0.03 to 2.2 mm



Focus on Quality

- 6 000 Test Plans
- 50 000 Measuring and Testing Devices
- 7 Measuring Rooms

Certificates:

- IATF 16949
- ISO 13485
- ISO 9001
- ISO 14001
- ISO 50001

STÜKEN MEANS MORE FACTS



Machinery

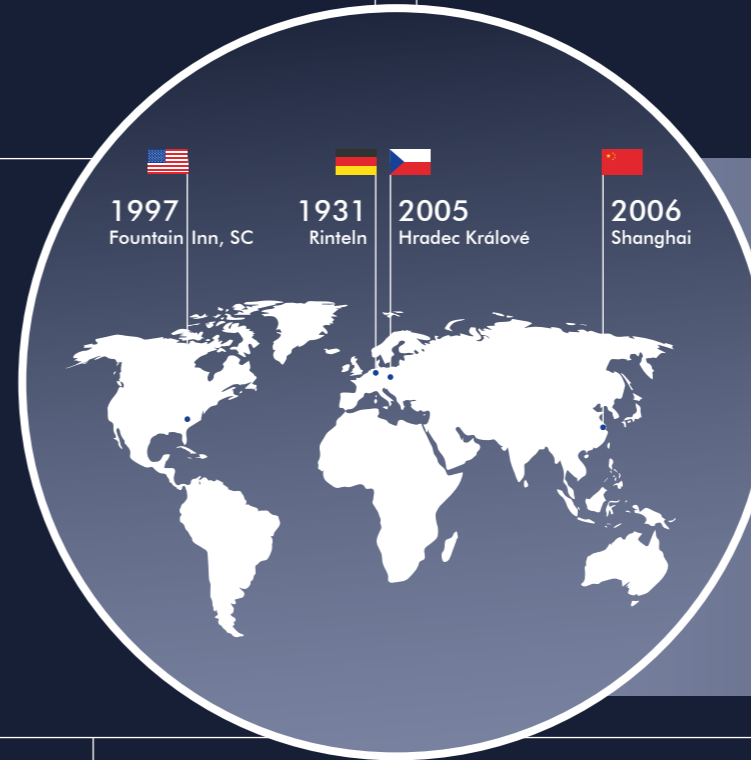
- 330 Presses
- 60 Automated Inspection Equipment
- 50 Assembly Systems
- 45 Edge Finishing Systems
- 25 Cleaning Systems
- 5 Cleanrooms
- 5 Heat Treatment Plants
- SWEP®



Our Team

> 1 200 Employees

- > 50 Apprentices
- > 10 Dual Students
- > 10 STÜKEN-Scholarship Holders



over **4 000** customized products
 manufactured on more than **300** presses
 each with up to **30** tool stations
200 000 assemblies per day
100 million parts per day
> 30 patents



Tool Design and Tool Shop

Annually more than **1 00 000**
High-Precision Tooling Components



Commitment and Trust



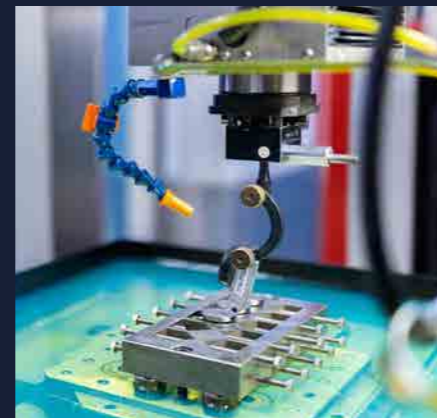
Tradition and Progress



45 Design Engineers



165 Toolmakers



Precision Machine Tools



Dr. Uwe Krismann, Philipp Wohlert



Family Business
Independent
Sustainable

Hubert Stüken



**STÜKEN MEANS MORE
PASSION**

Innovative ideas and powerful solutions

Deep-drawing technology is the heart of our company. Raise our pulse by presenting us with a new challenge! You will see how our employees use their technical expertise, sense of responsibility, and enthusiasm to develop a solution that is customized to your needs. Commitment and trust, drive, and an innovative way of thinking are firmly embedded in our company DNA. We will inspire you with this passion and make your project a success.



We live for deep-drawing technology

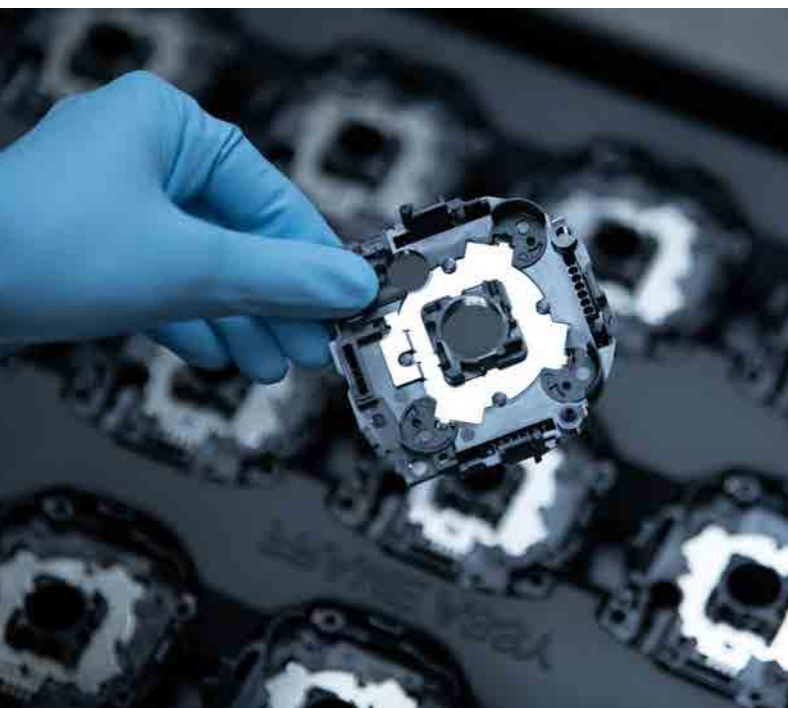
You tread new ground with your products – we will help you move forward. We will develop products and solutions together that seemed impossible just yesterday. The possibilities of deep-drawing technology are as varied as the requirements from the market. Our customers benefit from decades of experience and our relentless pursuit of future-oriented concepts and technologies. We continuously invest in research and development, the latest machine technology, and the training of our worldwide team. By making our own tools, we guarantee a seamless transition from development to large-scale production. Our goal is to keep pushing the boundaries of what is possible – innovation makes the difference!



**STÜKEN MEANS MORE
TECHNOLOGICAL
EXCELLENCE**

Stay flexible with our full service

The range of our stamping technology starts with delicately stamped parts that are just a few millimeters long and extends all the way to complex stamped grids. From contacts and lead frames, to bus bars and all the way to various functional parts, we are your efficient partner. Thanks to our extensive machinery and in-house tool shop, we can offer you the highest possible flexibility – from prototyping to series production. Together with the design possibilities of plastic injection molding, suitable finishing processes, and automated assembly procedures, we offer our customers high-quality products that are ready for installation. This will allow you to secure crucial competitive advantages.



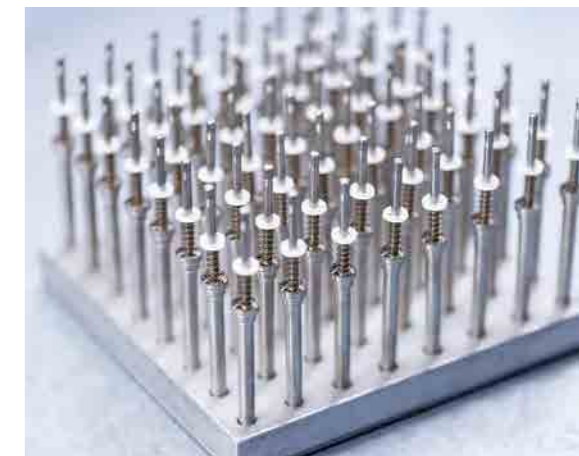
STÜKEN MEANS MORE FLEXIBILITY

STÜKEN MEANS MORE FUNCTIONALITY



Everything fits together

Our goal is clear: we want to offer our customers added value. Together with our customers, we develop solutions for the seamless integration of finished assemblies into their product. Our service is aligned with your requirements. Laser welding, resistance welding, assembly of multiple components, leak tests or individual packaging in trays are just a few of the possibilities. If necessary, we also carry out the final 100% testing. The partially or fully automated production of assemblies gives you the freedom to outsource processes and focus on your core topics. The other advantages of module assembly by STÜKEN are apparent: short distances and reliable quality.



 **Hubert Stüken GmbH & Co. KG**
Rinteln, Germany

 **Stueken, L.L.C.**
Fountain Inn, South Carolina, USA

 **Stueken s.r.o.**
Hradec Králové, Czech Republic

 **Stueken Precision Deep Draw
Technology (Shanghai) Co., Ltd.**
Shanghai, People's Republic of China




 > 49 000 m² Production Area

 > 10 200 m² Production Area


 > 10 600 m² Production Area

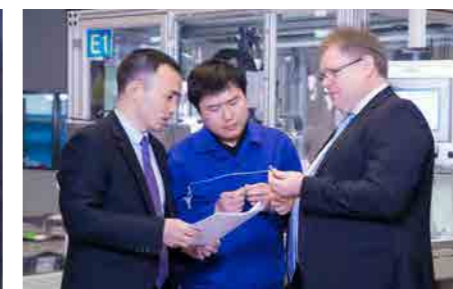
 > 9 600 m² Production Area




> 80
Employees





> 860
Employees




> 130
Employees




> 160
Employees



Deep Drawing



State-of-the-art production capabilities

Transfer presses from 6 to 125 metric tons
Automatic stamping presses from 18 to 400 metric tons
Hydraulic presses from 30 to 320 metric tons



A variety of materials

Aluminum
Bronze
Stainless steels
Copper alloys
Brass
Molybdenum
Nickel silver
Nickel-base alloys
Niobium
Steels
Tantalum
Titanium
and many more



Countless possibilities

Material thickness between 0.03 and 2.2 mm
Component height up to 92 mm
Component diameter between 0.4 and 75 mm

Assembly

Our customers need solutions for complex and specialized tasks for their applications. To this end, we develop individual assemblies and the associated processes together with them. STÜKEN offers comprehensive service.



Below is a selection of our numerous skills:

Laser welding
Resistance welding
Manual or automated assembly
Individual packaging



If necessary, we also carry out the final 100% testing





Stamping and forming technologies



State-of-the-art production capabilities

Automatic stamping presses from 20 to 400 metric tons
Hydraulic presses up to 320 metric tons



A variety of materials

Aluminum
Bronze
Stainless steels
Copper alloys
Brass
Molybdenum
Nickel silver
Nickel-base alloys
Niobium
Steels
Tantalum
Titanium
and many more



Countless possibilities

Component size up to 300 x 400 mm
Sheet thickness between 0.03 and 4 mm

Plastic Injection Molding



A variety of materials

PPS
PBT
PA
Materials with high filler content up to 65%



Countless possibilities

Component size approx. 100 x 100 x 50 mm
Shot weight up to approx. 200 g



Below is a selection of our skills:

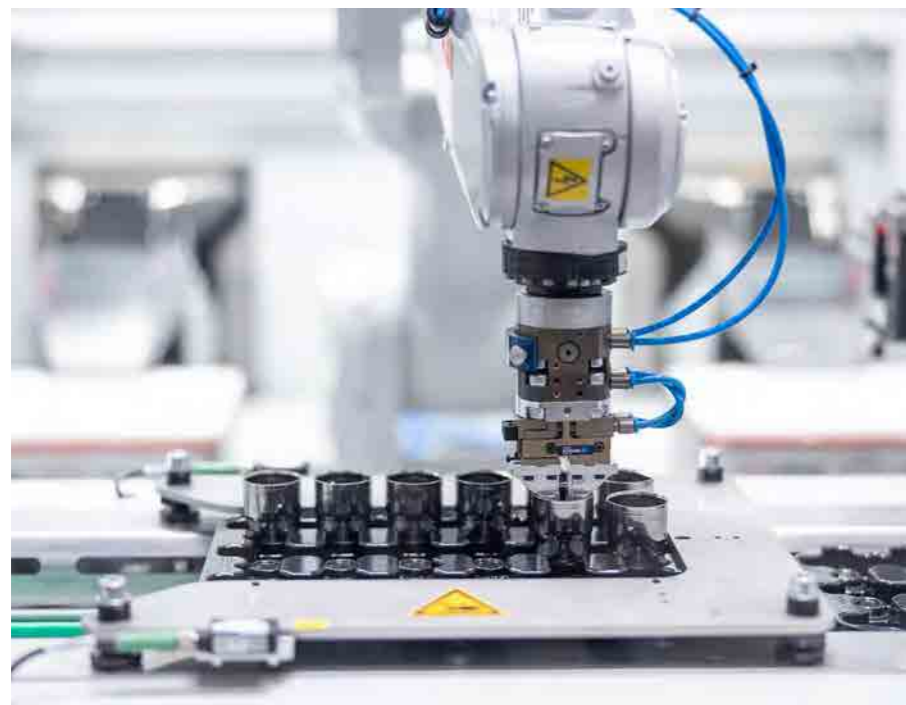
Metal/plastic precision components
(Filled) thermoplastics
Vertical and horizontal injection units
Stamping strip overmolding
Reel-to-reel process and tape-to-reel process
In-house tool shop
Blister packaging

Everything under one roof

Our promise to offer you more also includes our range of finishing processes, which is unique in the industry. As a driver of innovation, we address our customers' requests. For example, we developed our patented SWEP® processes to provide special wear protection. The components are made with an extremely hard, low-wear surface, which can increase their lifetime tenfold. Even during product development, we offer advice on which finishing processes are suitable for your product. In the end, we will provide you with components that you can process further in your production immediately. For turn-key solutions, come to STÜKEN.



**STÜKEN MEANS MORE
POSSIBILITIES**



*Below is a selection of
our finishing processes:*

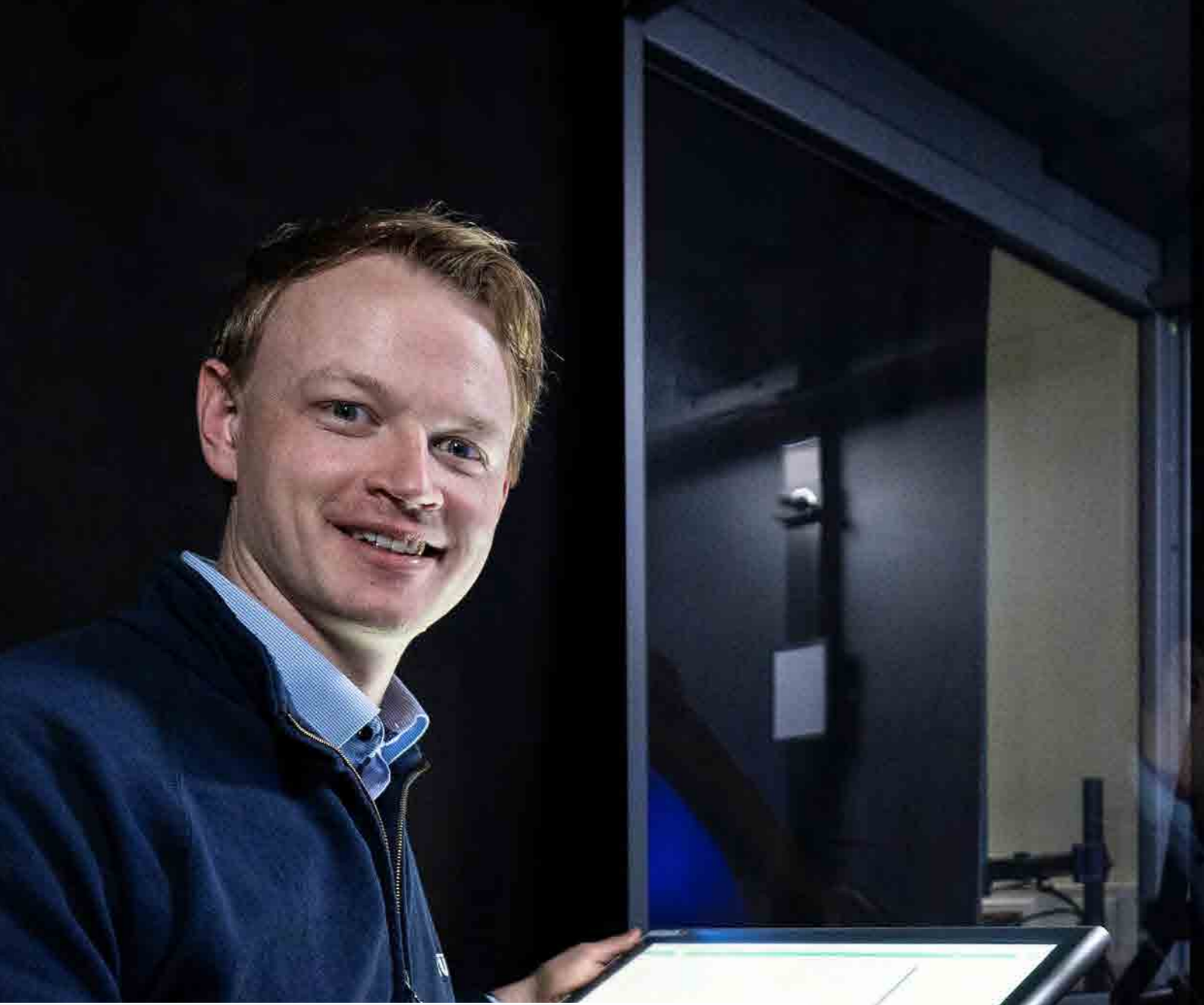
- Cryo-treatment
- Degreasing, fine cleaning, and superfine cleaning
- Electropolishing
- Heat treatment and hardening processes
- Machining
- Mechanical and chemical processing techniques for special edge and surface qualities
- Surface coating (plating shop)
- SWEP®

In a class of our own in terms of cleanliness

Thanks to our perfected cleaning processes and the high level of cleanliness maintained throughout the entire production chain, we can ensure the production of reliable end products. With certified class 7 cleanrooms according to ISO 14644-1 and the EU GMP guideline for class C, we can ensure that there are no unwanted residues on the components. In doing so, we occupy a special position as a provider of precision components – and not only for our customers in the medical technology field.



STÜKEN MEANS MORE THOROUGHNESS



You can count on us

Quality is our core aspiration and what distinguishes us. With each step in the process, we all pursue the shared goal of satisfying our customers. We guarantee the dimensional accuracy of our parts, even in large-scale series. By providing the highest level of precision, we ensure that our parts work flawlessly and without failure in our customers' production. Thanks to our well-trained specialists, state-of-the-art automation, and reliable process control, your prototypes, initial samples, and serial products will meet your expectations exactly. To us, quality doesn't refer only to absolute perfection in production. We also ensure a smooth ordering process, short delivery times and on-time delivery, and we offer solid, competent advice on an equal footing.

STÜKEN MEANS MORE RELIABILITY



To ensure quality, it has to be checked. We use more than 50 000 pieces of measuring and inspection equipment in our production. We are always at the cutting edge of technology. For example, we can use optical measuring technology to digitalize the finished parts and thereby create a detailed 3D model of the entire surface of a component.



Mobility

- Cars and trucks with all drive types
 - Airbag systems
 - Automotive electronics
 - Brake systems
 - Connectivity
 - Electronic control systems
 - Fuel injection systems
 - E-mobility
 - Transmissions
 - Lighting technology
 - Engine management
 - Sensor systems
- Construction machines
- Agricultural vehicles
- Emergency generators
- E-bikes
- Drones



Electronics and electrical engineering

- Shielding
- Diodes
- Oscillators
- Test pins
- Switches
- Sensors
- Fuses
- Connectors
- Transistors
- Resistors



Industrial applications

- Indoor lighting
- Smart factory
- Solenoid valves in industrial facilities
- Sensor systems in production technology
- Monitoring systems for building technology
- Electrical actuators
- Measuring and testing technology
- Building installations



Medical technology **STÜKEN MEDICAL**

- Infusion sets
- Eye surgery
- Dialysis machines
- Medical thermometers
- Pacemakers
- Insulin pumps
- Insulin pens
- Evaporators
- Dental implants
- Auto-injectors
- Medical pump systems
- Solenoid valves



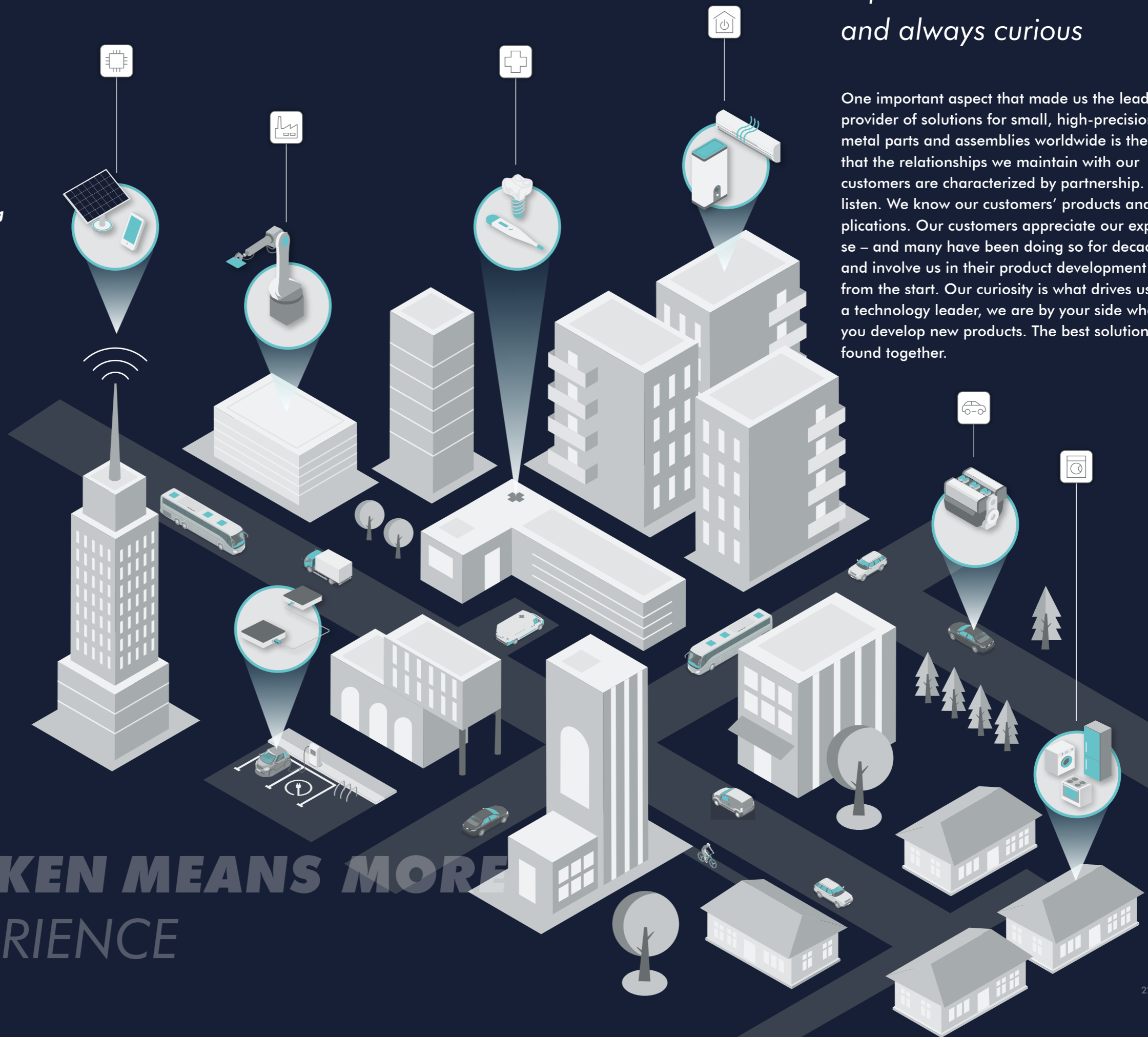
Household appliances

- Kitchen appliances
- Appliances for everyday use
- Cooling systems
- Electric tools
- Device batteries



Building equipment and appliances

- Fittings for water, oil, and gas
- Line connections (low-pressure, high-pressure)
- Smart home
- Safety valves
- Building safety technology
- HVAC
- Fastening elements for construction technology
- Building installations
- Furniture fittings



*Experienced
and always curious*

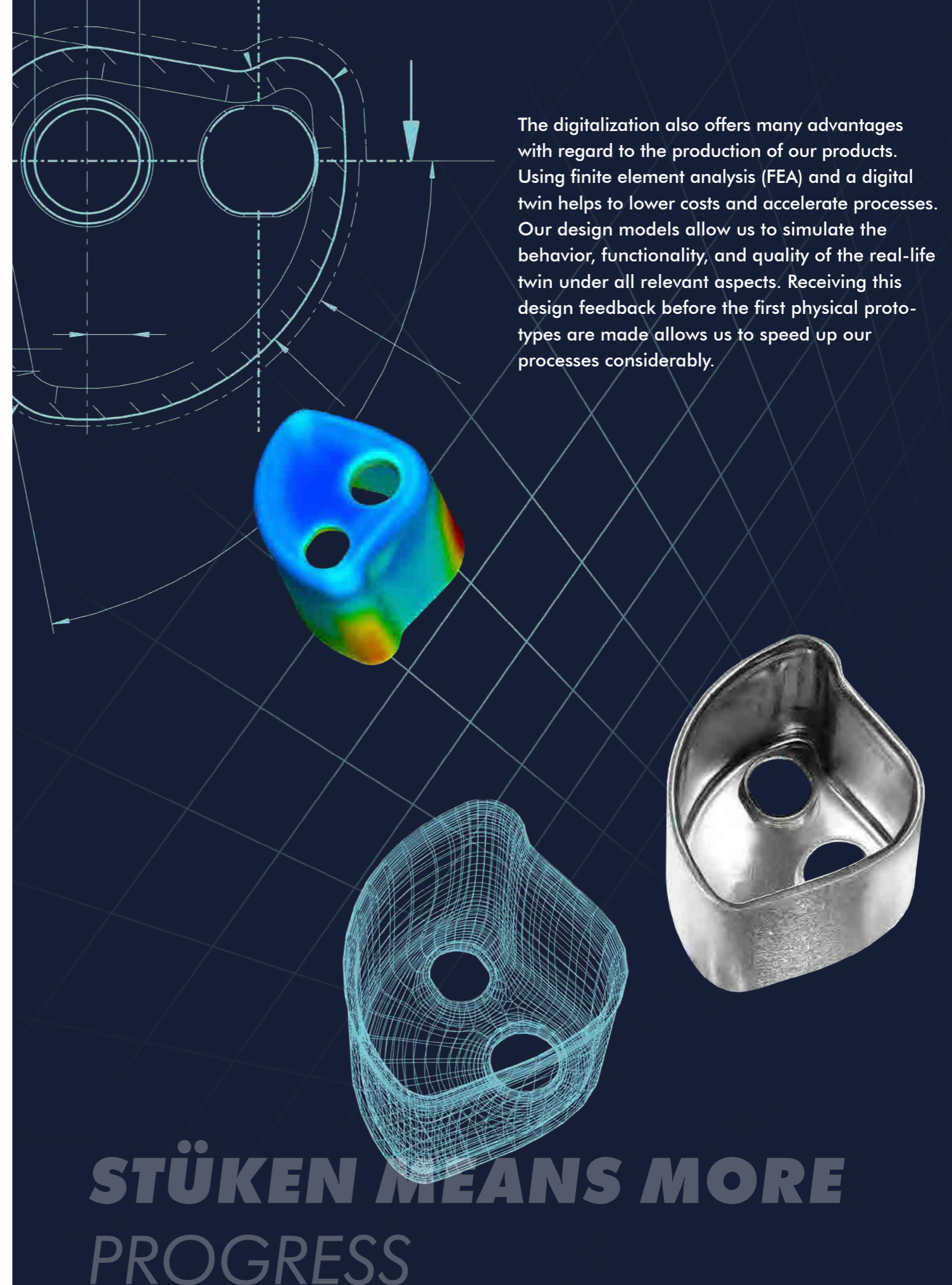
One important aspect that made us the leading provider of solutions for small, high-precision metal parts and assemblies worldwide is the fact that the relationships we maintain with our customers are characterized by partnership. We listen. We know our customers' products and applications. Our customers appreciate our expertise – and many have been doing so for decades – and involve us in their product development right from the start. Our curiosity is what drives us. As a technology leader, we are by your side when you develop new products. The best solutions are found together.

**STÜKEN MEANS MORE
EXPERIENCE**



Embracing change to make use of opportunities

STÜKEN will celebrate its 100th anniversary in 2031. The company has seen many changes in its long history. But one thing has never changed: the courage to actively shape the future. Our customers are looking for excellent quality, short delivery times, and a high level of flexibility. We make it possible, thanks to the continuous expansion and modernization of our plants. We have a vision and steadily and significantly invest in our buildings, production facilities, warehouse technology, and transportation systems. We make use of the opportunities that digitalization and automation have to offer. For example, our automated storage system with up to 75 000 storage positions is the logistics centerpiece of our global headquarters in Rinteln. Automated guided vehicles ensure that the right product is always in the right place at the right time.



The digitalization also offers many advantages with regard to the production of our products. Using finite element analysis (FEA) and a digital twin helps to lower costs and accelerate processes. Our design models allow us to simulate the behavior, functionality, and quality of the real-life twin under all relevant aspects. Receiving this design feedback before the first physical prototypes are made allows us to speed up our processes considerably.

STÜKEN MEANS MORE PROGRESS

We care about our planet

Our company is owned by the family of our founder, Hubert Stüken. Together, we have committed ourselves to sustainable and long-term entrepreneurial action. Our focus is on environmental aspects. With our innovative deep-drawing process, we not only satisfy high quality requirements but also conserve important resources in component production. In contrast to machining production, material consumption is reduced to a minimum and no harmful substances are used. Overall, deep drawing has a significantly smaller carbon footprint.

With our consistent sustainability strategy, we meet both statutory specifications and our customers' individual requirements. STÜKEN has five plants on three continents, which enables us to produce and finish products for customers from various industries locally. The advantages of the local-for-local strategy are apparent: Transport routes are shorter and supply chains are safer and more flexible. We analyze and optimize the entire production process in an effort to continuously reduce the release of climate-damaging CO₂. You too can benefit from the global positioning of a world market leader!

Digitalization plays a part as well: Thanks to intelligent process and production simulations, we can make noticeably more efficient use of resources. In addition, we continuously invest in increasing our energy efficiency and generating our own energy. We always see the big picture.

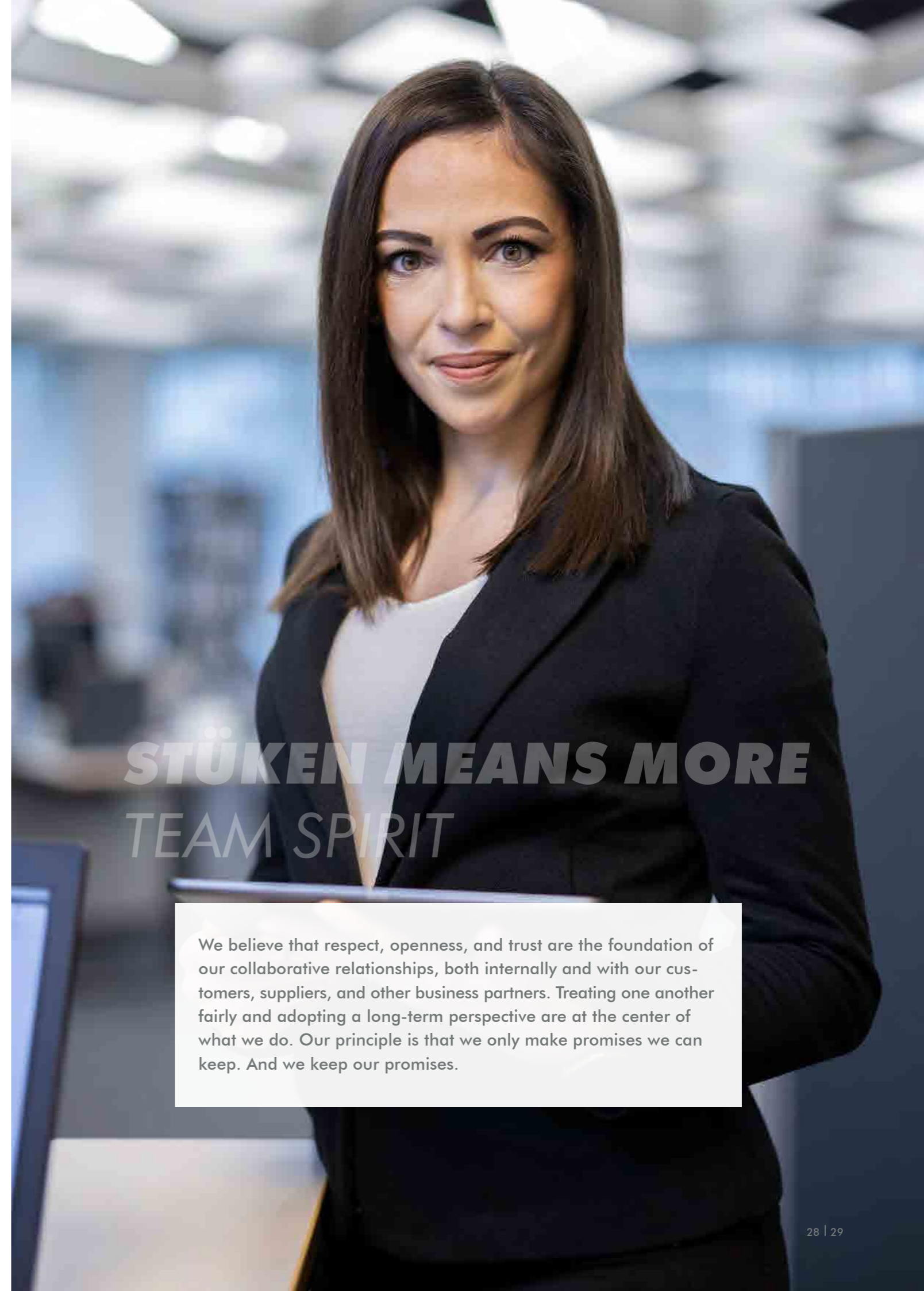


STÜKEN MEANS MORE RESPONSIBILITY



Shaping the future together

STÜKEN is a loyal and reliable employer and offers great prospects for young people who are looking for a future-proof job. Our vocational training has a long-standing tradition and plays an important role. Our trainees and students receive excellent training with outstanding framework conditions. We challenge and encourage our junior employees. This is the best investment in the future for both sides.



STÜKEN MEANS MORE TEAM SPIRIT

We believe that respect, openness, and trust are the foundation of our collaborative relationships, both internally and with our customers, suppliers, and other business partners. Treating one another fairly and adopting a long-term perspective are at the center of what we do. Our principle is that we only make promises we can keep. And we keep our promises.

STÜKEN MEANS MORE TRUST



We are here for you

As the market leader, we are there for you all over the world. We produce in Europe, Asia, and North America and offer our consulting services at sales sites around the globe. We are a strategic partner to many of our customers. We gain their trust by providing holistic solutions, unfailing quality, and many years of satisfaction. Innovation and the creation of new added value will lead us into the future together.

We look forward to your challenge!

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