



... the better processing of production

Technical Product Project Management Team

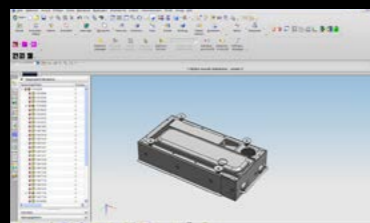


Mr Seiz Mr Bez Mr Meckelburg Mrs Borwieck Mrs Werz Mrs Zink Mr Cenek Mr Blochinger

Intelligent Project Management



Advice and planning



Development and design with 3D drawing programmes.

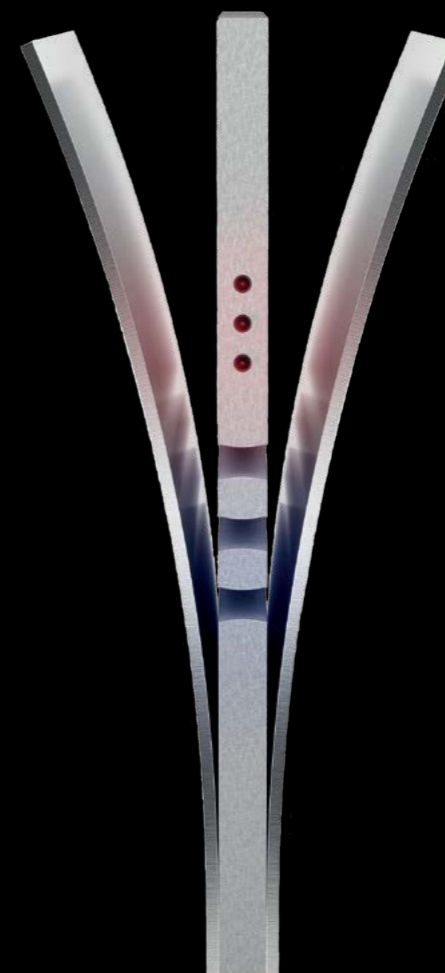


Intelligent process technology - from deep-drawing, laser cutting and welding as well as bright annealing through to surface treatment.

Intelligent IT system



... the better processing of production



ACTIVE FROM THE CORE



max maier

For 80 years Rieber has been a technological leader in professional sheet forming and employs 600 staff at its headquarters in Reutlingen. As a supplier to well-known customers in different branches of industry, we provide you with the security of implementing the best solution in terms of functionality, quality and cost effectiveness based on our experience, expertise and technology. Our developments combine high levels of convenience and an attractive design with the highly efficient use of materials, energy and water and consequently contribute towards protecting the climate and the environment. We achieve outstanding energy efficiency with our SWISS-PLY® multi-layer material, especially in areas where there is a transfer of heat and refrigeration. As a full-service provider we are able to deliver expertise right down the process chain: when IT, process technology and materials technology come together, products can be produced much more efficiently and the entire process can be made transparent and safe.

Materials Technology - At the beginning there was material.

From the foundation of Rieber more than 80 years ago, the material used was of utmost importance. The hygienic properties of stainless steel make the material indispensable in the field of large kitchen design. Rieber is a professional partner here thanks to its many years of experience in stainless steel workmanship.

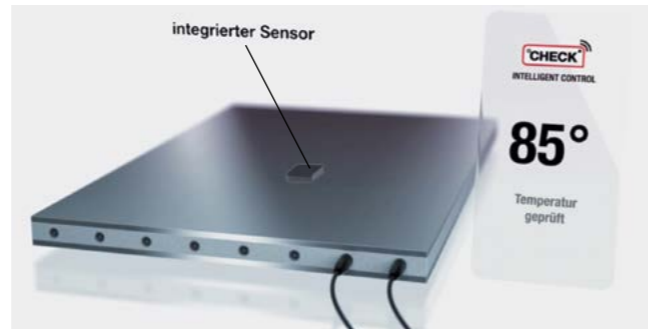
While the market was still relying on classic chromium-nickel steel, we focussed on combining the positive characteristics of stainless steel with the positive features of other materials in order to set a new scale in the field of material technology. As a result of our efforts, we developed our success product, SWISS-PLY®, a sandwich material widely used in many applications today, combining the hygienic properties of stainless steel and the thermo-energetic advantages of aluminium.

The benefits of stainless steel:

- corrosion-resistant
- hygienic
- durable
- hard-wearing
- malleable
- aesthetic
- temperature resistant
- economical
- no undue environmental impact
- environmentally-friendly

The benefits of SWISS-PLY®:

SWISS-PLY® is a patented multi-layer material with excellent thermal properties: The aluminium core is sandwiched between two stainless steel layers ensuring up to 10x greater thermal conductivity. This means energy is distributed quickly and evenly; the material is lightweight and the stainless steel ensures optimum hygiene.



Do not place your cooling or heating source below, but instead in the core of the thermal element. For a direct and even distribution of temperature. Easy to install thanks to Plug & Play.

Process Technology - We form ideas.

Rieber is one of the leading providers worldwide in the most different fields of the supplier industry. Rieber covers the entire spectrum of stainless steel workmanship: **cutting, punching, laser cutting, chamfering, welding, deep-drawing, assembling and surface finishing.** The main focus is on our core expertise in **deep-drawing and annealing as well as joining** with the aid of state-of-the-art welding technologies, such as YAG, CO₂ or diode laser.

The company's own tool and equipment manufacturing provides a complete, internal production chain: project planning from **project planning - design and tool construction (3D CAD/CAM technology) - automation technology - toolmaking - production.**

Thanks to this complete process-orientated approach, Rieber can offer you an "all-inclusive package" from your initial concept through to the product. All this is complemented by an in-house research and development department as well as an internal design team.



Deep-drawing with tools / hydro-mechanical deep-drawing



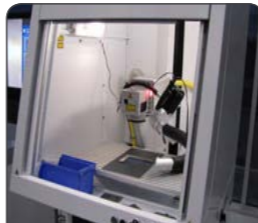
2D and 3D laser cutting



Bright annealing furnaces



TIG / MIG / MAG welding, laser welding, resistance welding



Laser marking

Sample Applications:



Reference industries:

- Rinsing technology
- Food processing
- Kitchen technology
- Chemical
- Medicine and pharmaceuticals
- Environmental and water management
- Industry
- Automotive technology and aircraft construction
- Telecommunications



Muffles

Rieber is also a specialist in HS, H1, H2 or H3 muffles, amongst others, that can be produced in any size and design. These high-quality muffles are ideal for trolleys, ovens, clean rooms, the chemical industry, pharmaceuticals, medical applications, etc. Our muffles are especially easy to clean thanks to their seamlessly moulded grooves.



Base wells

Our base wells are seamlessly deep-drawn with corner radii of 30 mm and bottom radii of 15 mm. The all-round upper edge is turned down by max. 30 mm on the front side and max. 94.5 mm on the long side. The well depth is 210 mm without a gradient.



Grill plates

We recommend grill plates made of SWISS-PLY® multi-layer material. They feature a short heat-up time, good and even heat distribution and high energy efficiency. The grill plates can be made in different design variants and are ideal for different heating methods, e.g. for induction tube or thick-film heating.



Tanks

The car of the future will be powered by fuel cells and fuelled with hydrogen. The development and manufacture of tanks not just for the automotive industry.



What is your challenge?

Digitalisation through identification and organisation using the QR code



We are complementing and rounding off our core expertise with the innovative °Check organisational tool.

Developed for capturing and managing relevant data in the work process digitally at a central point using the QR code, every object can be clearly identified and data can be stored, enabling the optimum coordination of processes.

MOBILE °CHECK



Clear identification and traceability of the object by scanning the QR code with a smartphone. Specific data can be stored in the unit here, such as the material used, batch, production date, etc.

COCKPIT °CHECK



The QR code is assigned to the object via the cockpit. Clear identification is therefore guaranteed. It also controls the merging and management of data from MOBILE °CHECK and AUTO °CHECK. The user can view the data via web access anywhere and at any time.

AUTO °CHECK



Safety thanks to automated monitoring with sensors permanently installed in connectors, outflows, valves or also for temperature measuring.