

up
14,000 bar

INNOVATION

PRECISION

SAFETY

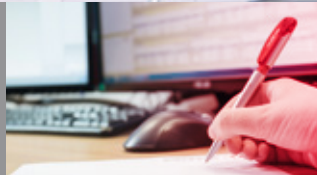
DIECKERS
GmbH & Co. KG
Hochdrucktechnik • Prüftechnik



ABOUT US



Leading since
1984



As a leading specialist in high-pressure technology, we are your contact partner worldwide for all challenges for pressures up to 14,000 bar. With the bundled expertise of several decades since the company was founded, we serve you with high-pressure technology in these areas:

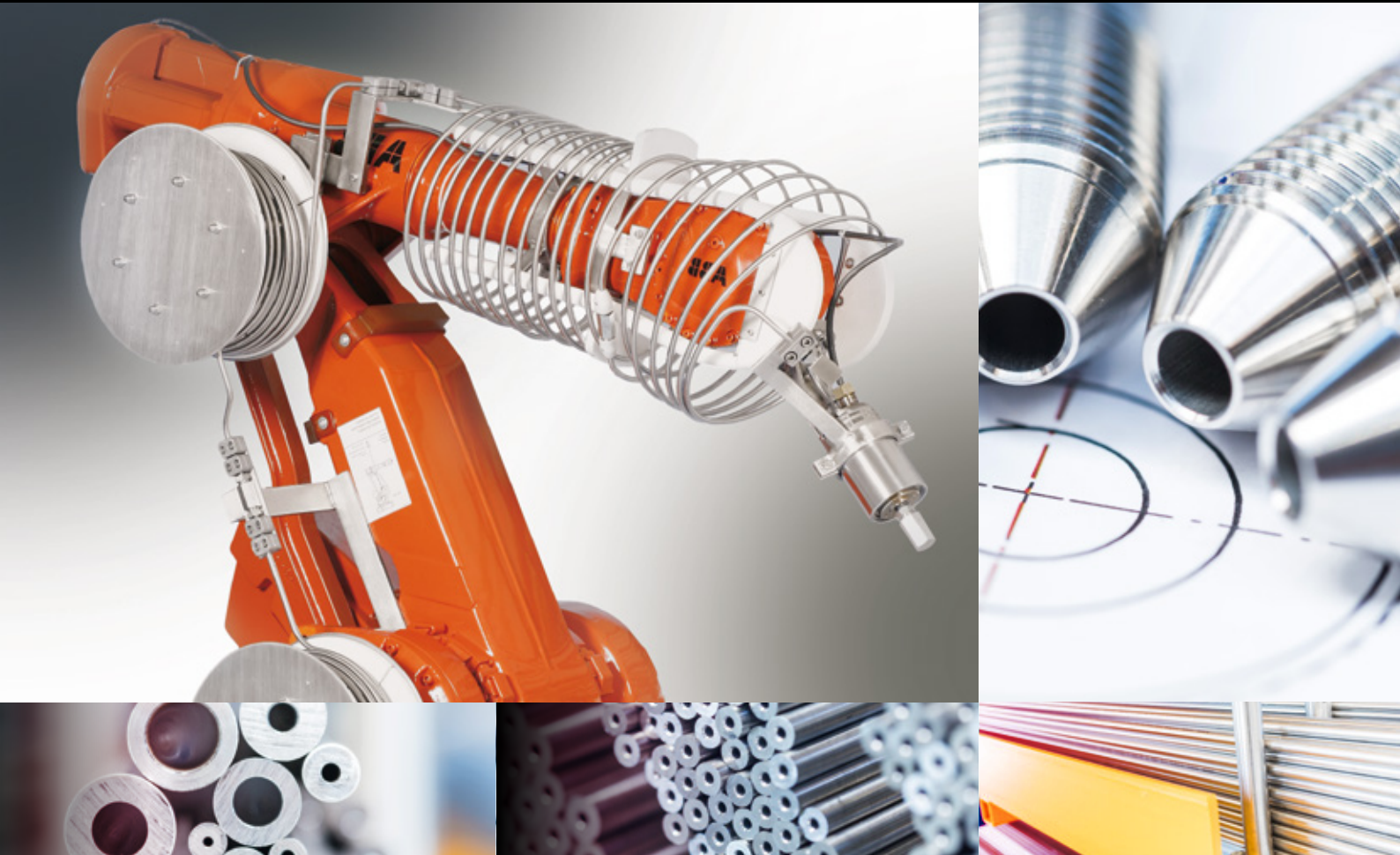
OUR CORE BUSINESS AREAS INCLUDE:

- Development, design, production and assembly of components, tubes, spirals and pipework
- Taylor-made solutions for your individual requirements
- Delivery of special parts in any batch size
- Tube and component improvement by autofrettage
- Laser marking of your components

The areas of applications include waterjet cutting, cleaning systems, chemical industry, systems for university and research institutes and many other high-pressure technology applications.

With our team of qualified employees, we support you quickly and flexibly with your challenges. Rely on us as a long-standing family business that delivers quality at a reasonable price, reliably and with a special emphasis on product safety.

HIGH-PRESSURE LINES



TUBE SYSTEMS

- Setting-up of complex systems and industrial robots
- Elastic coils and spirals with significantly longer service life as replacement for hoses

TUBES

- High-pressure tubes from 0.5 mm to 20 mm inner diameter with pressures up to 14,000 bar
- Adapting of pipes, lances and pipe fittings according to your specifications
- Large tube stock with a variety of different dimensions
- Manufacturing of cone, thread and wrench flat according to your specifications
- On-site assembly

SPIRALS, COILS, TUBE ADAPPTIONS

- Production of spirals from tubes with outside diameters from 1.6 mm to 30 mm according to your specifications or drawings
- Double-walled high-pressure heat exchangers

HOSES

- Supply and installation of high pressure hoses of various dimensions and pressures up to 4,000 bar

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VALVES AND COMPONENTS



Dieckers is the only representative of SITEC-Sieber Engineering AG in Germany, the leading manufacturer of high-quality high-pressure components based in Switzerland. The close and trustful cooperation enables a quick implementation of your requirements into new products with short delivery times. The product range offered includes the entire SITEC program from DN 0.5 to DN 12 at pressures up to 10,000 bar. We mostly stock this program. In addition, we offer our own designs and ball valves.

VALVES

Directional valves, check valves, test valves, special designs, manually operated as well as pneumatically and hydraulically operated valves

COMPONENTS

Tube couplings, standard fittings, special fittings, adapter pieces, reducers, swivel joints, check valves, filters

BALL VALVES

Manually and pneumatically actuated ball valves from DN 3/PN 2,500 bar – DN 20/PN 1,600 bar

SAFETY HEADS

Rupture discs and rupture pipes for securing pressures up to 14,000 bar

On request: Development and production of special solutions also in these areas

SPECIAL SOLUTIONS

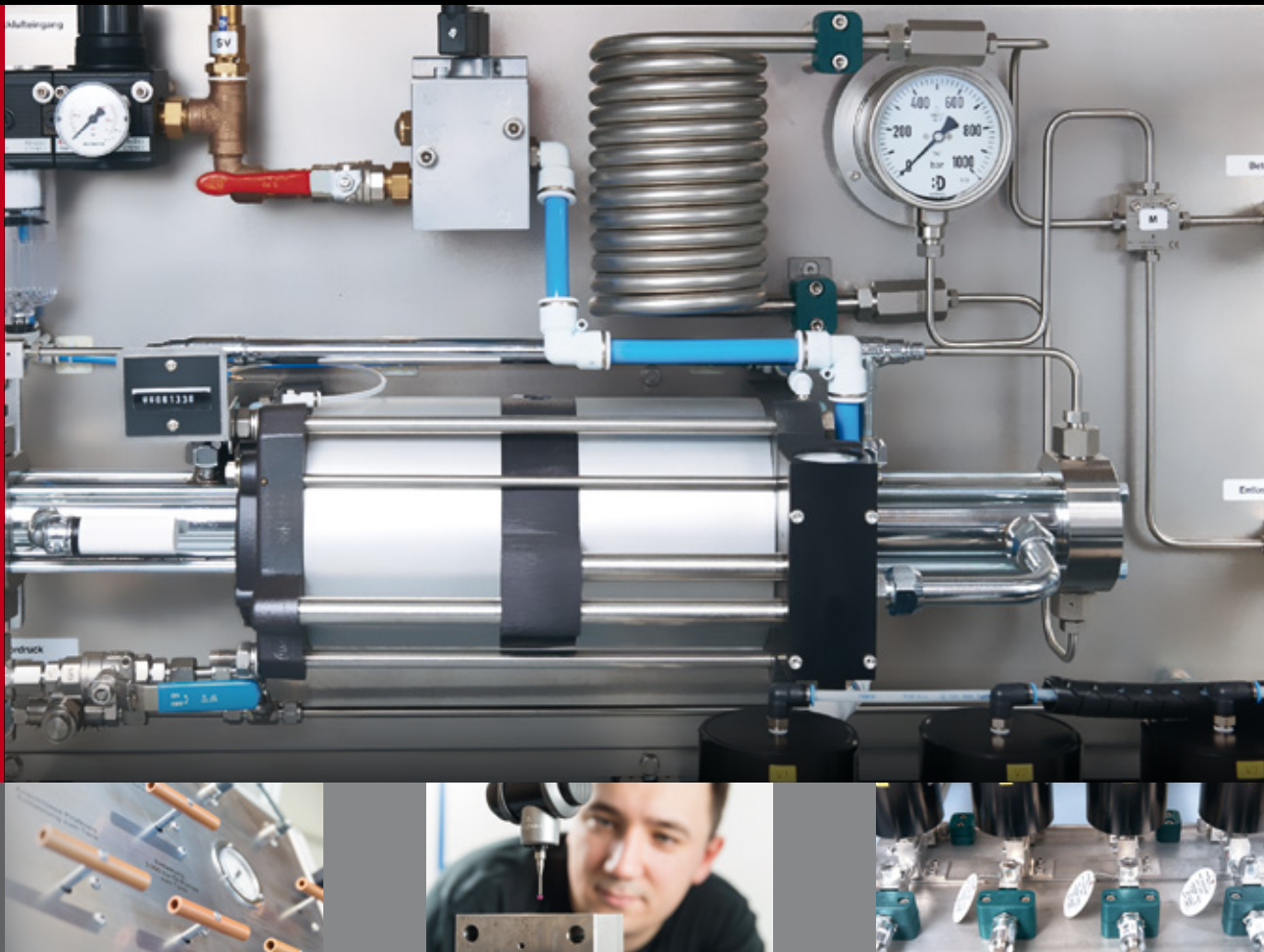


FOR YOUR SPECIAL REQUIREMENTS WE OFFER:

- Calculation, design and production of individual components according to your specifications
- Development, manufacturing, testing and commissioning of concepts for complex systems in all pressure ranges in close cooperation with you
 - Manifolds and distributor bars
 - Special components for all high-pressure systems
 - Testing systems and control units
- Examples for the scope of supply
 - Stainless steel cold storage cell in cabinet design with highly sensitive dosing units for the chemical industry in accordance with ATEX
 - Optical cells with window units
 - Industrial high-pressure heat exchangers, e.g. for the food industry

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TESTING TECHNOLOGY AND UNITS



TESTING TECHNOLOGY

- Taylor-made solutions according to your specifications
- From the simplest manually operated testing benches to fully automated systems, e.g.
 - Pressure vessels and pressure housing testing systems
 - Testing benches for safety-relevant industries, e.g. the aviation industry
 - Both mobile and stationary mounted testing systems for your applications

UNITS / PRESSURE GENERATORS

- Design, dimensioning and production of units and systems in accordance with the Pressure Equipment Directive and the Machinery Directive for pressure generators of all industrial sectors up to 14,000 bar
- Modernisation and overhaul of pressure generator units
 - For standard media such as oil, water and nitrogen
 - For critical media such as oxygen, hydrogen, supercritical CO₂, benzene, argon or helium
 - Manually, pneumatically, hydraulically or electrically driven



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Management
System
ISO 9001:2015

www.tuv.com
ID: 9105048220

FACILITIES AND SERVICES



AUTOFRETTAGE

Material improvement and service life extension of pipes, spirals and components

- With pressures up to 14,000 bar
- In our own workshop or at your site

ASSEMBLY AND SERVICE

- Pressure and burst testing up to 14,000 bar
- Pressure and leak testing of complete tubing systems
- Test and acceptance certificate for components
- Design and testing of pressure vessels in cooperation with TÜV
- Testing, maintenance and repair work on high-pressure systems and components, if required also in cooperation with TÜV
- Planning, assembly and installation of high-pressure piping from the pressure generator to the consumption points
- Quick availability due to optimized warehousing
- Laser marking of all components according to your specifications, e.g. logo, Datamatrix code etc.
- Site visit and on-site consultation

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