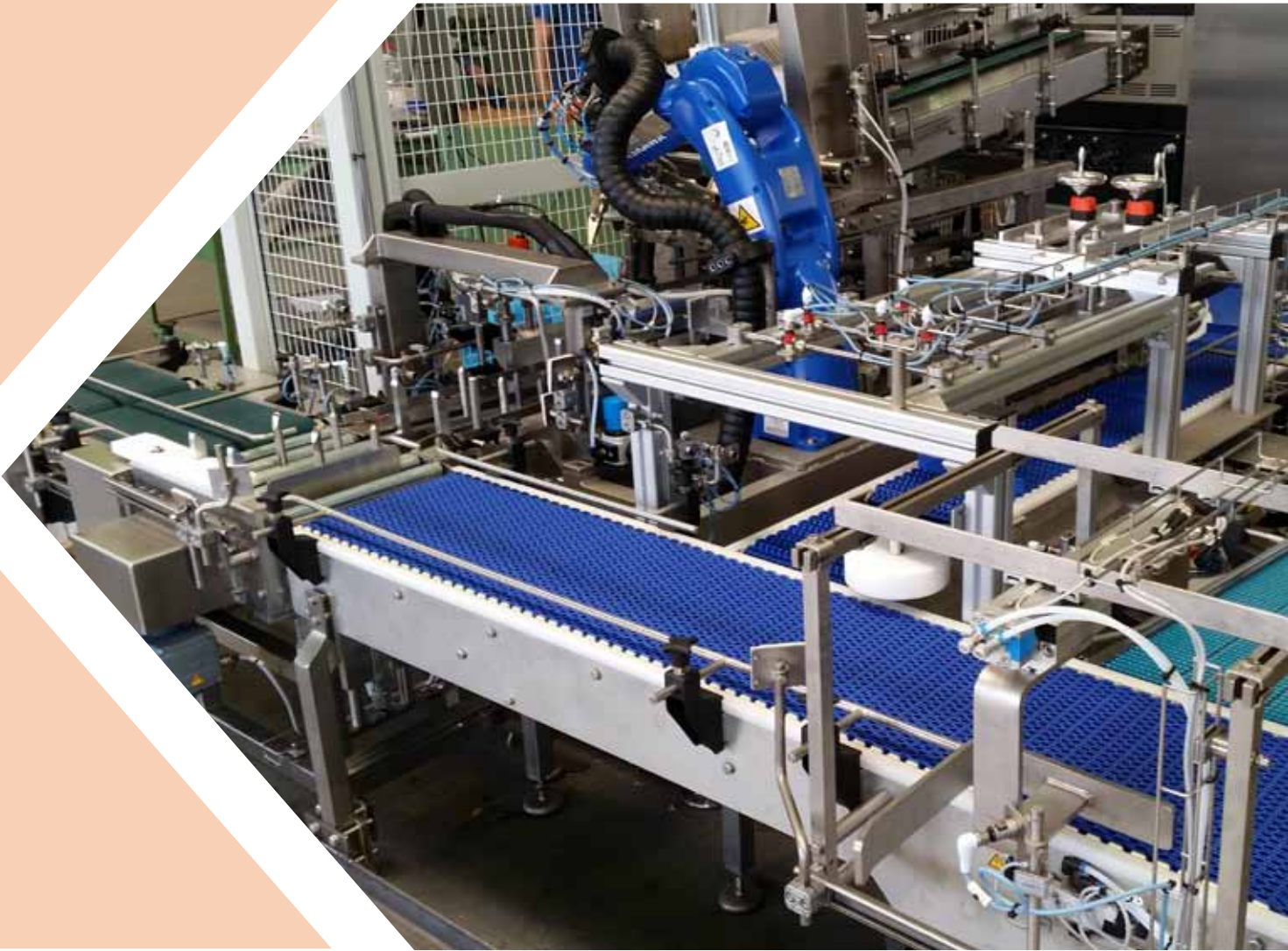


DALEX



Your specialist for
PROCESS OPTIMIZATION

www.dalex.de



Headquarters Wissen (Germany - Rhineland-Palatinate) Automation and welding technology

- In the northern Rhineland-Palatinate approx. 45 minutes drive from Cologne-East / 1.5 h from Dortmund and Frankfurt
- 8.500 m² production area
- 4.000 kVA power supply
- 145 employees



Oettersdorf plant (Germany -Thuringia) Conveyor technology and handling systems

- In Thuringia on the A9 freeway
- 2,100 m² production/office space
- 20 employees



Günzburg plant (Germany - Bavaria) Conveyor technology and handling systems

- In Bavarian Swabia on the A8 freeway
- 3.400 m² production/office space
- 30 employees

Bundled competence in mechanical engineering and automation technology

DALEX GmbH & Co. KG

Expert for highly complex manufacturing cells, automated systems, interlinked total solutions as well as high-quality welding machines

DALEX GmbH & Co. KG at its main plant in Wissen is a renowned expert for highly complex manufacturing cells, automated systems and interlinked complete solutions that are individually tailored to the requirements of the user.

In addition to high-quality welding machines, with which DALEX has made a name for itself, the company's portfolio also includes the construction of special systems with a high degree of automation.

From manual welding guns to robot cells, linear transfer systems, rotary transfer systems, gantry systems and coordinate machines for resistance welding, laser welding, arc welding, soldering, gluing, press-fitting, flanging, riveting, clinching and other technologies, specialized employees work out the right solution for almost any automation task.

DALEX Maschinenbau GmbH
Specialist for powerful standard and special solutions for all aspects of process automation

In order to further strengthen this area, DALEX has acquired Augenstein Maschinenbau GmbH, a specialist for more than 40 years in high-performance standard and special solutions in the field of process automation for a wide range of key industries.

Under the new name **DALEX Maschinenbau GmbH**, the Günzburg and Oettersdorf sites develop and produce highly efficient automation solutions for a wide industries - from special-purpose machines to conveyor technology and material flow systems, packaging and palletizing systems, as well as feeding technology and product labeling.

The automation expert takes care of planning, design, production, assembly, commissioning and acceptance as well as maintenance and customer service.

Process rationalization made by DALEX



„Our expertise is to automate production processes and thereby to rationalize. In this way, our customers increase the effectiveness of their production processes, the quality of their products and their competitiveness.“

Ralf Fussenecker
Account Manager DALEX Maschinenbau GmbH, Günzburg

- Sophisticated standard solutions
- Customized special solutions
- Robust, durable construction
- High availability
- Energy efficient drives
- High safety standard
- Excellent ergonomics
- High service quality

DALEX
INDUSTRIAL AUTOMATION

Strong arguments that speak for us



„With a deep understanding of the complex interrelationships in the manufacturing processes, DALEX develops and builds customized solutions with rationalized processes - perfectly integrated into the existing workflow.“

Olaf Kopitzki
Managing Director DALEX

- 40 years of experience
- 50 qualified employees
- 2 locations
- Wide range of services
- Robotics and cobotics
- Turnkey from one source
- High vertical range of manufacture
- Inexpensive solutions
- Short amortization periods
- Made in Germany
- QM system according to ISO 9001

DALEX
INDUSTRIAL AUTOMATION

Product portfolio

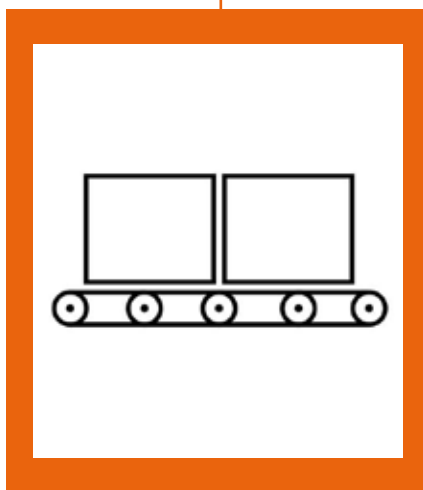
at a glance

Solutions from **DALEX Maschinenbau GmbH** are used wherever automation of production processes is required - even in potentially explosive atmospheres.



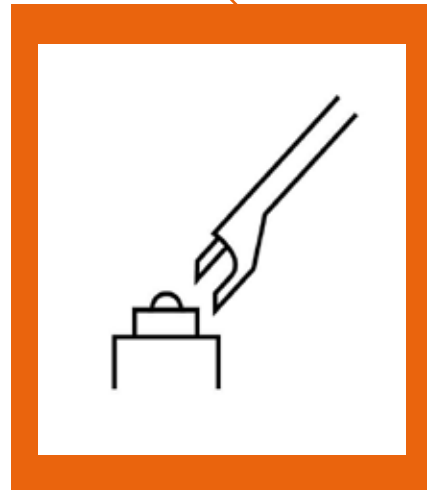
Special machines

- Stackers and unloaders for load carriers
- Emptying systems for containers
- Handling systems for folding crates
- Welding devices
- Separating systems for round material



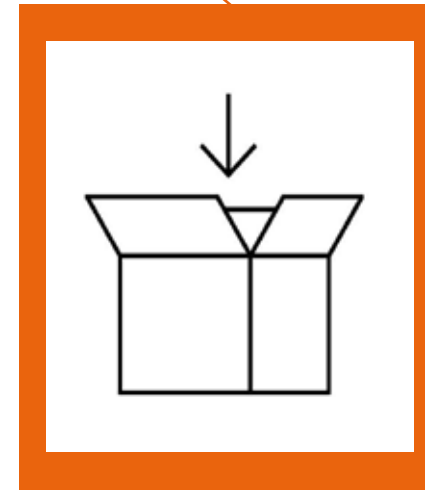
Conveyor systems

- Material Handling Systems
- Chain conveyor
- Floor lifters
- Hinged chain conveyor
- Continuous conveyors for piece goods
- individual special solutions



Feeding systems

- Small parts
- Packing material
- Welded parts (nuts, screws, bushings, etc.)
- Provision of position oriented, separated parts for gripping with robots



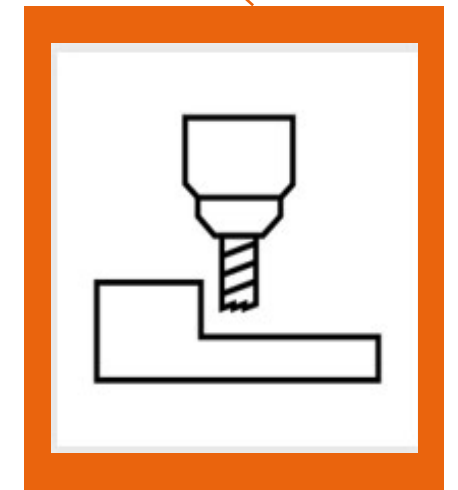
Packing/palletizing-systems

- Case packer
- Carton packer
- Cup packer
- Case packer
- Sorting packer
- Repackers
- Layer palletizer
- Portal palletizer (gripper palletizer)
- Robot palletizers
- Depalletizing systems



Marking-systems

- Packaging
- Load carrier
- Food
- Plastic profiles
- Ink-Jet/Thermal Transfer
- Laser technologies
- Label printing
- Hot embossing (branding)
- Cold embossing
- Laser (Natural Branding)



Services/ Parts manufacturing

- Plant assembly
- Maintenance
- Commissioning
- Troubleshooting
- mechanical and electrical construction
- switch cabinet construction
- SPS and robot programming
- Customized single parts
- small series
- Milling/Turning/Grinding/ Water jet cutting

Special equipment

Stainless steel and steel



In close cooperation with the customer, DALEX develops new equipment and solutions that are precisely adapted to the requirements and needs.

From simple manual workstations to fully automated lines, our experienced employees are your contact.



Special equipment

Palletizing, handling, unloading systems



DALEX offers standardized solutions for palletizing a wide variety of products. For this purpose, robotic systems or handling systems are connected to the DALEX conveying technologies.

In cooperation with the customer, we create a suitable and economical plant concept and deliver the complete production plant.

Conveyor systems for food transport



DALEX conveyor systems in the field of food transport are characterized by easy handling and a very long service life.

The advantages of the belt and conveyor systems are the optimal ease of maintenance and cleanability to avoid microbial contamination of the food during processing.

The VA conveyor systems are washdown suitable and can be equipped with integrated cleaning systems.

Conveyor systems for piece goods



DALEX chain, belt and roller conveyors are configured in various load classes for the respective application.

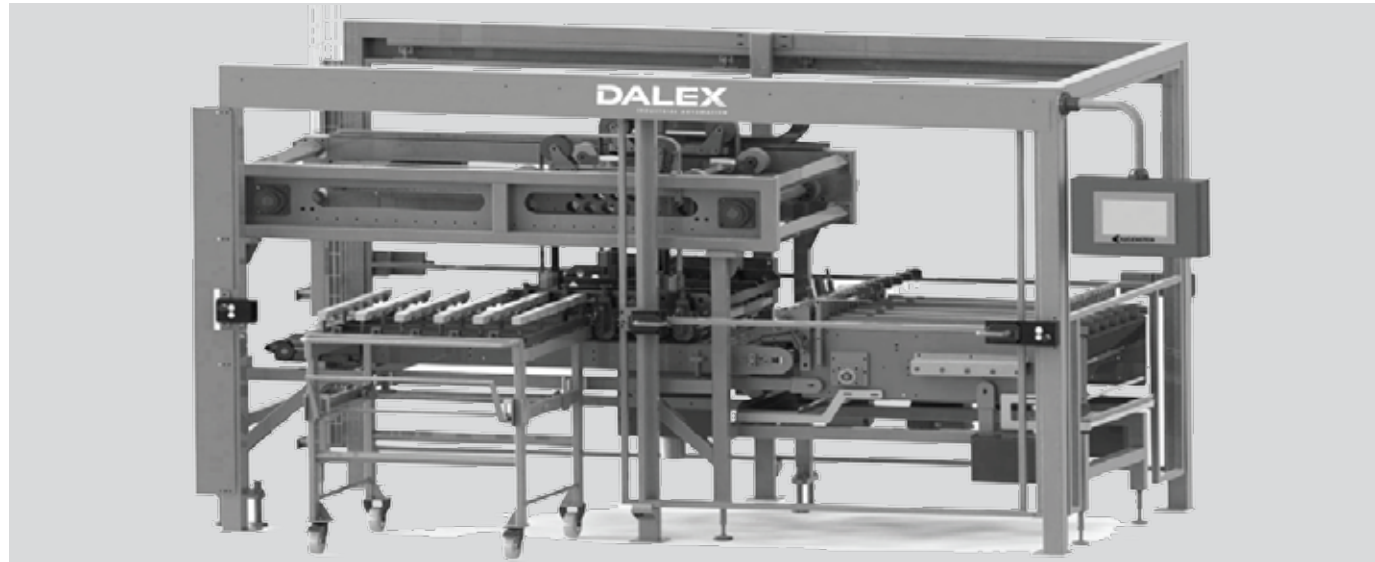
High-quality design in galvanized, coated or stainless steel guarantee a long service life.

Especially for the food industry or pharmaceutical industry we offer special designs in HYGIENIC design.

Peripheral systems such as centering devices, transfer stations or cleaning stations are optional and can be optimally combined.

Branding systems

individual and versatile



DALEX branding systems are used when food products are to be customized by hot embossing (branding).

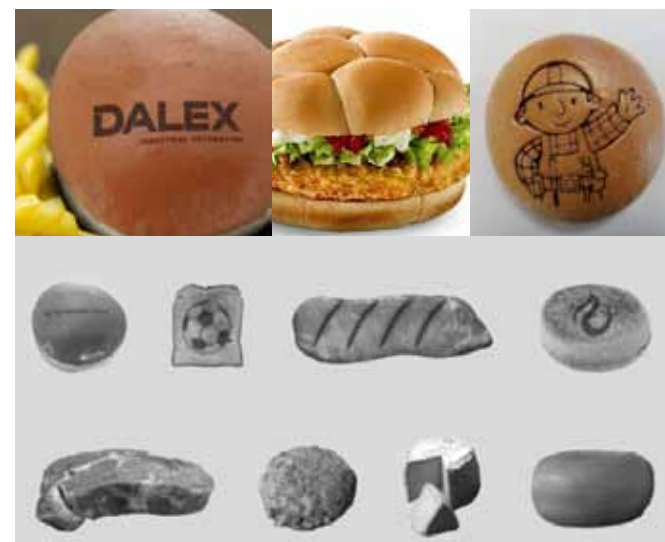
This is particularly interesting for premium products for a significant brand presence to increase competitiveness.

The applications are versatile:

- Baked goods (bread, rolls, buns, baguettes, gingerbread, etc.)
- Meat products (minced meat, bacon, smoked meat, ham, etc.)
- Cheese products (hard cheese, etc.)
- Fruits (lemons, oranges, apples, kiwi, melons, avocados, etc.)
- Vegetables (cucumbers, peppers, ginger, etc.)
- Non-food (wood, leather, fabric, etc.)

For this purpose, DALEX designs a branding concept that is exactly branding concept precisely tailored to the application.

Integration into existing production plants is possible. We also supply the peripheral systems, such as distribution equipment, conveyor systems, handling systems, etc., for this purpose.



DALEX
INDUSTRIAL AUTOMATION

Lifting and hoisting systems

powerful and durable

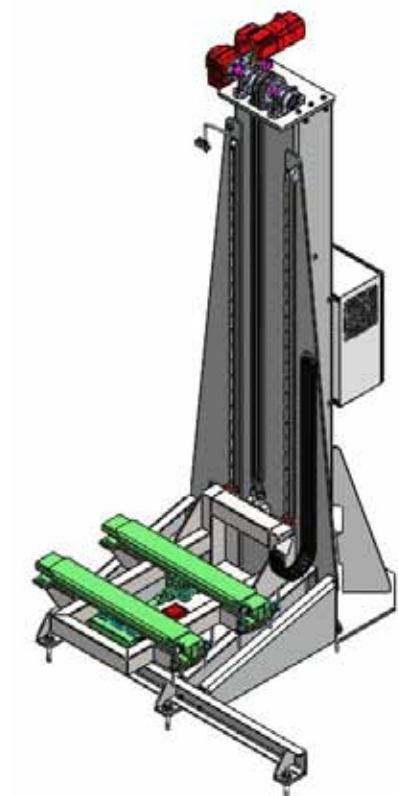


DALEX floor lifters are individually adapted to customer requirements and can be optimally combined with conveyor systems, handling systems, etc.

DALEX lifting systems transport pallets, pallet boxes, containers, etc. over several floors up to a conveying height of more than 20 m. Weights of up to over 2 t can be moved.

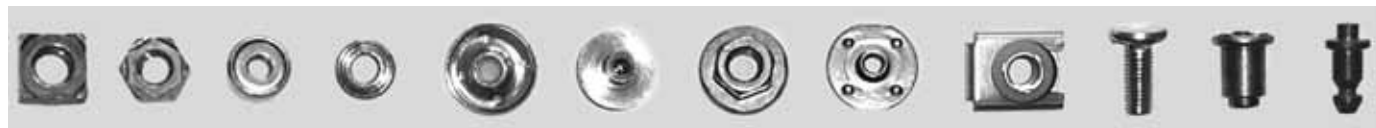
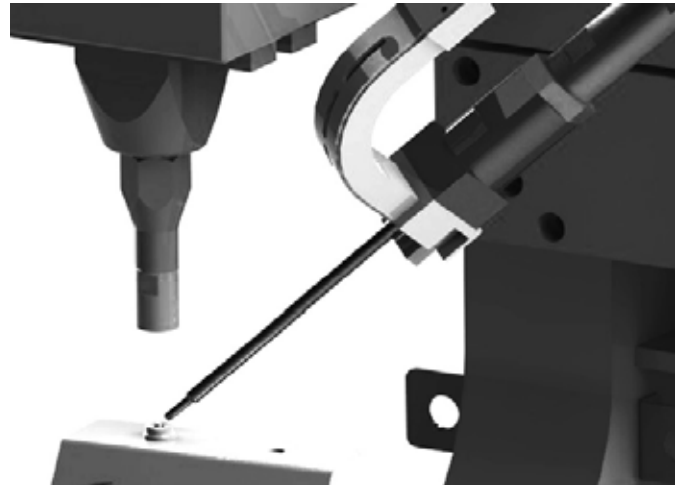
Feeding takes place via chain, belt or roller conveyors. High-speed doors ensure effective fall protection is ensured.

Trend-setting toothed belt drives reduce maintenance to a minimum. Contour detection and access control are optionally available.



DALEX
INDUSTRIAL AUTOMATION

Feeding systems for welded parts



DALEX feeding systems are used as an integral part of automated resistance welding systems wherever small parts provided as bulk material, such as weld nuts, weld screws, bushings, balls, etc., have to be positioned directly onto a component to be welded at maximum speed and precision

DALEX designs the feed system precisely tailored to the individual application.

In welding technology, these systems are usually used as weld nut feeders or weld screw feeders. Often also as a more cost-effective alternative to robot systems.

Advantages of DALEX feeding systems

- Fastest feeding system available on the market-system (cycle time <1s)
- High time saving compared to manual feeding
- Individually adapted to customer requirements
- Precise and error-free part positioning
- High availability due to sophisticated technology
- Shortest amortization times of partly less than 1 year

Feeding systems perfectly integrated



Robot welding cell with 2 pcs. DALEX-C welding modules, each equipped with a DALEX feeding device.

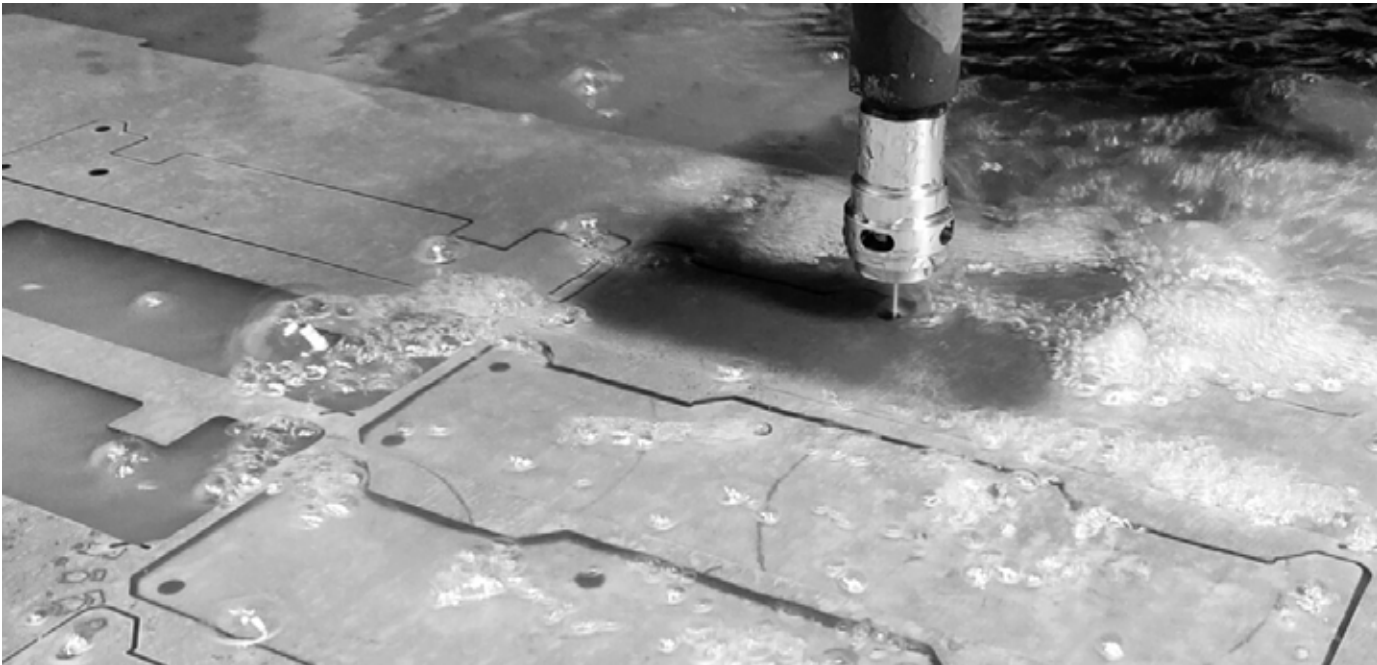
The handling robot removes the component from a fixture and feeds it one after the other to both welding stations, where M8 and M10 welding nuts are fed and welded onto the component.

The robot then handles the welded component into a marking station and it is deposited on a component chute.



Services

comprehensive and flexible



We carry out plant installation, maintenance, commissioning and troubleshooting both at home and abroad. Format conversion and retrofitting are also part of our scope of services.

Furthermore, we support our customers in the field of mechanical and electrical design as well as in the construction of control cabinets.

PLC and robot programming round off our range of services.



Contract manufacturing

Highest quality standards

Bending

Turning

Surface grinding

Milling

Edges

Saws

Shear cutting

Welding

Beam cutting

Refining

As a contract manufacturer, DALEX produces customer-specific individual parts and small series on state-of-the-art CNC machines in the areas of milling (3- and 5-axis), turning, grinding and waterjet cutting (max. material thickness 120 mm) - on request also as a fast service (24 or 48 h) and in oversizes (up to 6,5 m length). Our bed milling machine can process components up to a size of x 6,500 / y 1,200 / z 2.000 mm.



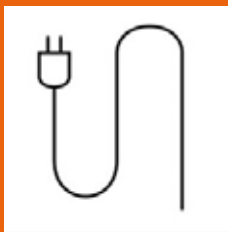
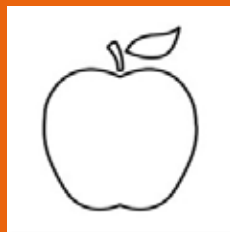


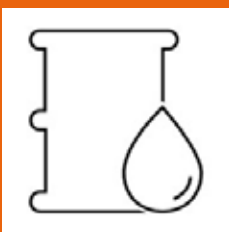
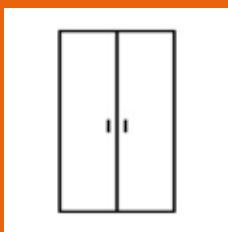

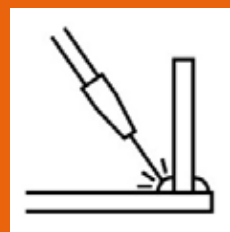
On our welding tables we can produce high-quality welding assemblies from aluminum, steel and stainless steel. We use the proven welding processes TIG, MIG and MAG.

In addition to mechanical processing, we offer individual surface treatments such as glass bead blasting, vibratory grinding, hardening, burnishing, anodizing, powder coating or an industrial paint finish.

Complete mechanical and mechatronic assemblies as well as control cabinets are also part of the delivery spectrum.



The business units grown with experience

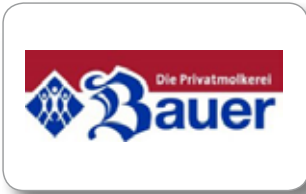













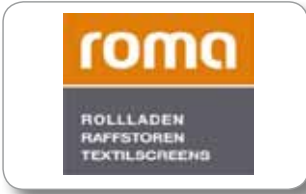





 Automotive	 Chemistry	 Electrical	 Agriculture	 Food
 Logistics	 Mineral oil	 Furniture	 Pharma	 Welding

Solutions for every requirement

Special challenges of the most diverse industries drive our passion for individual automation solutions.

Decades of expertise in a wide range of industries with cross-learning effects result in solutions that are perfectly tailored to our customers’ needs in close cooperation with them.

Achieve more together reliable and fair

***Your specialist for
Process Optimization***

Stand 11_2022

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