

EASY TO USE, MODULAR DESIGN

THE LORCH COBOT HAS PROVEN ITSELF IN EVERY RESPECT IN PRACTICAL USE AT H. GEWING GMBH

H. Gewing GmbH, based in Ahaus in the Münsterland region, specialises in metal and sheet metal working. The owner-managed family business has made a name for itself through the production and processing of sheet metal and profiles, as well as the manufacture of everything from series-produced parts to complex assemblies for a wide range of requirements and industrial sectors. Operating from a 30,000-square-metre site with an extensive range of machinery, H. Gewing GmbH primarily manufactures for companies in the automotive, vehicle construction, agricultural and construction machinery sectors, as well as for plant and mechanical engineering. Lorch Cobot Welding Solutions have been in successful use at Gewing for five years. The company was impressed by both the system's simple programming and operation, as well as its modular design, which

makes it possible at any time to adapt the cobot to a wide variety of welding tasks and to make production even more efficient.

OUR CUSTOMER AT A GLANCE

H. GEWING GMBH

- Ahaus-Wessum
- 280 employees
- Specialising in metal and sheet metal working for individual components and assemblies
- www.gewing.de

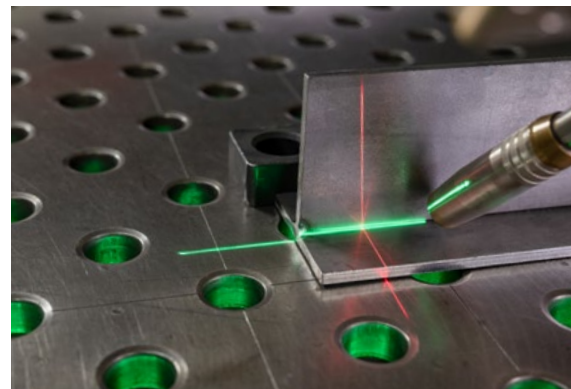


Thanks to the user-friendly Cobotronic software, weld seams for a wide variety of components can be programmed quickly.

www.lorch.eu



With the help of the Cobot Turn 100 A rotary tilting table, the Lorch cobot welds circumferential seams in a continuous program sequence with ease and great efficiency.



With SeamPilot, the operator simply defines a rough starting point; the line laser then searches for and locates the seam to be welded entirely on its own and follows it to the end point.

Innovative additional features for cobot welding

COBOT MOVE, COBOT TURN 100 A, SEAMPILOT, MULTILAYER

At Gewing, in addition to the basic equipment, further features have been selected to make production with the cobot even more efficient: The Cobot Move linear axis extends the working radius to 4.5 m, enabling even very long workpieces and multiple components to be welded automatically in multi-station operation. The Cobot Turn 100 A swivel-tilt table enables the welding of complex components and circumferential seams in a continuous program sequence. SeamPilot uses a line

laser to independently detect the weld seam and follows it automatically – ideal for fillet welds and complex paths, and without the need for time-consuming teaching. And thanks to Multilayer, only one pass needs to be programmed for multi-pass welding; the cobot calculates all subsequent passes automatically. Furthermore, flexible table control allows the number of passes, torch position and angle, as well as heat control and welding speed, to be precisely adapted to the requirements.



“We use the welding cobot every day and have decided to purchase another one. Not only is it a valuable aid to our manual welders, but it also significantly increases our production capacity. Another ideal feature for us is the ability to flexibly adapt the system time and again to our needs or to the latest technical standards. This ensures we’re on the safe side for the future as well.”

– Bernd Gewing, Managing Director at Gewing

FACTS

- Easy to operate
- Customisable system configuration thanks to a modular design
- Extended working radius of 4.5 m
- Automated welding of very long workpieces and in multi-station operation
- Ideal for circumferential welds and complex components
- Automatic weld seam detection using a line laser
- Reduced programming requirements for multi-pass welding

