

Welding NexT Generation

CLOOS and MPA Technology present Cobot Welding System

HAIGER, September 2020 – Across all industries, companies face the increasing challenge of finding qualified manual welders. The shortage of skilled workers and increasing labour expenses make this even more difficult. At the same time, the demands on quality, flexibility and efficiency are growing continuously. New solutions are needed to ensure competitiveness. The Cobot Welding System from CLOOS and MPA Technology offers an easy entry into the world of automated welding. With the Cobot Welding System, users can weld even small batch sizes economically and with consistently high quality. The high-tech MIG/MAG welding power source and the very precise Cobot complement each other perfectly.

The compact "Ready to weld" package is delivered completely ready for operation. This guarantees a problem-free integration into existing production processes. A torque sensor in each axis allows the Cobot to be programmed and moved precisely. The intuitive operation significantly increases work efficiency. The user can make individual adjustments on the user-friendly touch control panel with macros specially developed for welding. In addition, the Freedrive option with foot switch and the intelligent safety concept guarantee sensitive and safe control of the Cobot. Another special feature is the simple restart after an emergency stop as no extensive unlocking or free movement of the robot is necessary.

In addition to the relief of the employees – especially with monotonous, repetitive tasks – the users benefit from excellent welding results due to the constant, reproducible quality. The integrated safety components ensure the necessary personal protection and an electrically movable protective screen mounted to the optional welding table protects the surroundings from the UV radiation generated during welding.

CLOOS offers users a wide range of innovations for the economical automated welding of even small batch sizes. No matter whether the new Cobot Welding System, the new QIROX microcells, the Instant Robot Programming System IRPS or the offline programming software RoboPlan

- CLOOS supports users in finding their individual solution for welding small batches.



Photo 1: The new Cobot Welding System offers an easy entry into the world of automated welding.

CLOOS Welding technology:

Robot and welding technology from a single source

Since 1919, Carl Cloos Schweisstechnik GmbH has been one of the leading companies in welding technology. More than 800 employees all over the world realise production solutions in welding and robot technology for industries such as construction machinery, railway vehicles, automotive and agricultural industry. The modern CLOOS welding power sources of the QINEO series are available for a multitude of welding processes. With the QIROX robots, positioners and special purpose machines CLOOS develops and manufactures automated welding systems meeting the specific requirements of the customers. The special strength of CLOOS is the widely spread competence. Because – from the welding technology, robot mechanics and controller to positioners, software and sensors – CLOOS supplies everything from a single source.

MPA Technology GmbH – a company of the CLOOS group:

Full Service Automation

MPA Technology GmbH is an innovative company which works in every industrial sector and is specialised to the development, production and sales of special-purpose machines and automation technology. The

company is a full-service partner in automation technology and acts nationally and internationally in all fields of process technology. At MPA Technology everything comes from a single source: from the design, the construction over mechanical engineering to delivery and commissioning. No matter if automated packaging, gripper and fixture construction as well as assembly automation or supply technology – MPA Technology develops and produces all relevant special-purposes machines.

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