

CLOOS presents new QIROX compact cell

Customised solution for automated small part welding

HAIGER – CLOOS presents the new QIROX QR-CC-4.1 compact cell, a "Ready to weld" system with many new features. The robot cell has a 2-station workpiece positioner with vertical change and vertical rotation. Whilst the robot welds at one station, the other station can be loaded again. With a clamping length of up to 1,250 mm and a maximum load of 250 kg per side a wide range of components can be processed in the system. The system is equipped with the new QIROX QRH-280 welding robot which was particularly developed for the CLOOS compact cell solutions. The compact robot is particularly fast and dynamic which reduces the production times significantly. The integration of the cables in the base frame and the position of welding power source and QIROX Controller outside the housing facilitate the service and maintenance of the new cell considerably. Furthermore, the compact cell offers maximum production flexibility as the modular design makes it possible to add individual enhancements and upgrades at any time.

CLOOS offers an extensive range of compact robot cells which allow to weld any workpiece at economic conditions. They do not require much space and can be easily integrated into any production as they are completely pre-installed electrically and mechanically. From sensors to controller each compact cell is a tailor-made unit with components which match each other perfectly. All robot and positioner axes are fully synchronised. This provides excellent welding results, reduces the secondary processing times and speeds the entire process run enormously.



Photo 1: The new QIROX compact cell has many new features for automated and efficient welding of small components.

CLOOS Welding technology:

Robot and welding technology from a single source

Since 1919, Carl Cloos Schweisstechnik GmbH is one of the leading companies in welding technology. About 750 employees all over the world - 500 in the parent company in Haiger – realise production solutions in welding and robot technology for industries such as construction machinery, railway vehicles, automotive and agricultural industry. The 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.

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