

SCHWEISSEN exhibition 2024

## **CLOOS combines automation, robotics and welding**

HAIGER/Wels – Robust manual welding technology, collaborative robotics, scalable automation solutions and innovative data management – CLOOS offers a unique combination of automation, robotics and welding to provide a lead in production for industry and trade all over the world. At the SCHWEISSEN from 23 to 26 April in Wels, visitors could experience innovative technologies from entry to premium and from manual welding machines to complex robot systems live at the 19 trade fair stand 19 from CLOOS Austria.

### **Easy entry into automation**

Partial automation solutions such as cobots are now also established in the field of welding and offer an easy start into automation. At the trade fair, CLOOS presented the QINEO ArcBoT, where the employee, cobot and welding power source complement each other perfectly. With the QINEO ArcBoT Welding System, users can weld even small batch sizes economically and with consistently high quality. In addition to the relief of the employees – especially with monotonous, repetitive tasks – companies benefit from excellent welding results due to the reproducible quality. The new extended functions such as seam tracking increase the efficiency of cobot welding even further. The QINEO ArcBoT at SCHWEISSEN was equipped with a torch-integrated welding fume extraction system that provides safe and effective extraction of welding fumes directly at the source.

CLOOS also presented the new QIROX robot QRC-350-EO at the SCHWEISSEN trade fair. Thanks to its eccentric axis 7, which is specially designed for overhead applications, the robot can be optimally integrated into complex system concepts. The space requirement of the robot system is reduced to a minimum.

The QIROX system includes the robot technology, positioners, safety technology, software, sensors and the interface to the process technology. The CLOOS portfolio comprises simple, compact standard systems as well as complex, chained systems with automated workpiece identification and loading and unloading processes. The modular design provides users with scalable solutions that are optimally adapted to different applications and individual production requirements - whether small, delicate workpieces or large, complex components.

### **Manual welding from entry to premium**

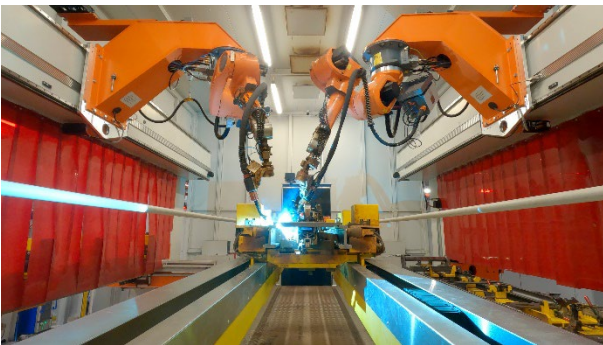
CLOOS also presented the constantly growing product range of QINEO welding power sources from entry-level to premium for manual welding. The QINEO StarT allows an easy start into the world of modern MIG/MAG welding technology. Due to the optimum price-performance ratio, users can weld any workpiece at economic conditions. The high-tech QINEO Next MIG/MAG welding power source convinces by excellent arc characteristics for highest welding quality. The modular design allows many utilisation possibilities – from the basic welding machine for manual welding to the multiprocess welding machine for

automated robot welding. In addition, the QINEO QuestT complements the portfolio for high-end TIG applications. This welding power source was specially developed for TIG welding processes and is particularly suitable for the most demanding welding connections and highest quality requirements. The QINEO welding power sources are characterised in particular by digital connectivity, maximum energy efficiency and the possibility of integrating new welding processes.

### **Digitisation solutions for future production**

The CLOOS software solutions increase the performance of welding power sources and robot systems in addition. With the C-Gate IoT platform, users can access information from their welding production in real time. The central data acquisition and processing allows users to monitor and control their production processes down to the smallest detail. C-Gate consists of several modules which users can activate depending on their individual digitalisation strategy – consistently from the manual welding power source to the fully automated production line.

### **CLOOS Group at the SCHWEISSEN 2024 Exhibition stand 19-0322**



**Photo 1:** CLOOS offers welding automation solutions from compact robot cells to complex production lines.



**Photo 2:** The QINEO ArcBoT relieves employees and ensures consistent, reproducible welding quality.

**CLOOS Welding technology:  
Robot and welding technology from a single source**

Since 1919, CLOOS Group has been one of the leading companies in welding technology. More than 900 employees all over the world realise production solutions in welding and robot technology for industries such as construction machinery, railway vehicles, energy, 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.

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