

QINEO welding power sources: Modular platform concept

Flexible configuration, numerous applications, excellent welding results

HAIGER, March 2022 – Whether manual or automated welding, thin or thick-walled materials, use in a production hall or on a construction site – the configuration options of the QINEO welding power sources from CLOOS are as flexible as the areas of application for welding. The consistently modular platform concept enables individual solutions that can be adapted to user-specific production conditions and objectives. "From the power level to the operating module to the special equipment, each QINEO is a customised product tailored to the customer's needs," explains Björn Fey, who heads product management Welding Products at CLOOS. "Since we manufacture our welding power sources exclusively in Germany and Europe, we can guarantee a maximum quality standard for robust and durable devices."

CLOOS currently offers three welding power source types: The MIG/MAG welding power source QINEO StarT offers an easy entry into the world of modern welding technology with an optimal price-performance ratio. The multiprocess welding power source QINEO NexT convinces with excellent arc characteristics for highest welding quality. The new QINEO Quest completes the portfolio as a new benchmark for high-end TIG applications.

The modular design of the QINEO welding power sources enables versatile applications from the basic welding unit for manual welding to the high-tech welding unit for automated robot welding. The three welding power sources are each available in the Eco, Master and Premium variants. The Premium variant is optimally suited for automated and manual high-end applications, the Master variant is mainly used for manual applications and the Eco variant was developed especially for manual applications and offers a limited range of functions and welding processes. The modular system runs through the entire QINEO product portfolio with all main components: Operating modules, welding torches, wire drives, water coolers and carriages – users can select the individual components individually, tailored to their respective requirements and combine them within the product lines.

"In addition to the application-specific configuration, our customers benefit from a more controllable spare parts supply due to many common parts in our different welding power sources," explains Fey. "This allows us to ensure an ideal parts supply and minimise downtimes in production."

In addition, the QINEO welding power sources can be equipped with common industrial interfaces such as OPC-UA and other optional functions. With the welding data monitoring Weld-Process-Monitoring (WPM), users can optimally control the quality of their welding production. In addition, the digitisation platform C-Gate IoT platform enables comprehensive online monitoring of the welding power sources. All welding power sources of the QINEO series NexT, StarT and QuestT can be networked to record manufacturing and production data.

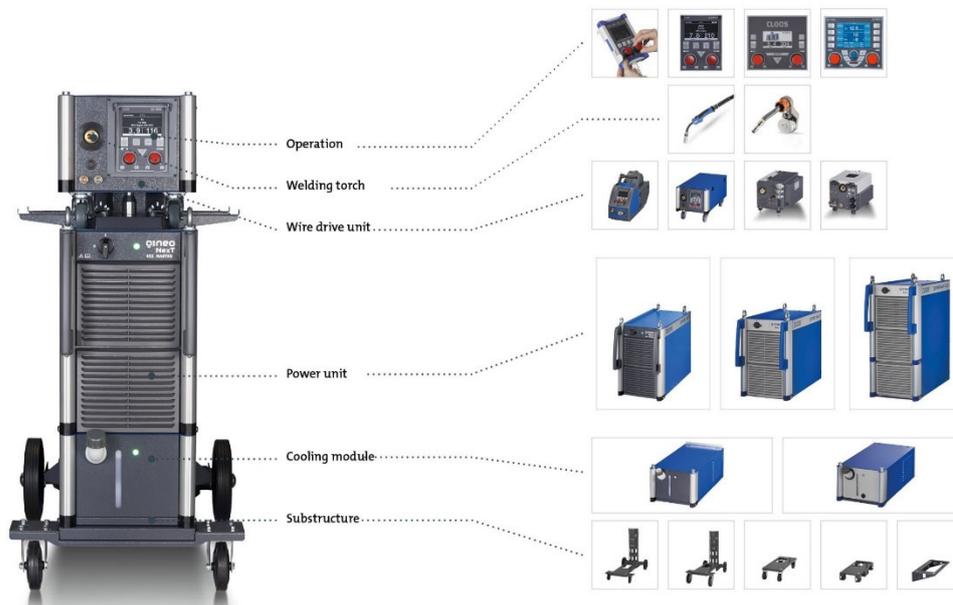


Photo 1: The modular system enables individual solutions, whereby the individual components can be flexibly combined with each other.



Photo 2: The new high-tech welding power source QINEO QuestT solves highly demanding TIG tasks reliably and efficiently.



Photo 3: Networking and digitisation are also becoming increasingly important in manual welding technology.

**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.

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