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Successful Cooperation Between the Companies Cloos and Baumüller

Increased Efficiency in Automated Welding Technology

Platform-independent and scalable control solution, the highest level of precision with accelerated dynamics: The companies Cloos and Baumüller draw a positive assessment one year after starting their cooperation

The combination of the core competences of Cloos and Baumüller is leading to an increased efficiency in the production processes with a further increase in quality. Both companies will reinforce their cooperation at SCHWEISSEN & SCHNEIDEN [WELDING & CUTTING], the world's leading trade fair for joining, cutting and surfacing, and look back on a productive year with the first joint projects.

Increased efficiency due to intelligent overall solution

The first joint project of Cloos and Baumüller, the welding robot Qirox QRH-280, can be seen at the Baumüller trade fair stand in hall 13 at booth E53. Baumüller perfectly implemented the procedural requirements of Cloos.

In addition to a high level of productivity in the production process and maximum quality due to repeat accuracy, the user also benefits from additional features that have resulted from the cooperation of the two development departments. Thanks to the open interfaces in hardware and software and a modular system set-up, the welding robot can thus be flexibly integrated into existing and new production systems. The platform-independent and scalable control solution also means a high future and investment reliability in times of Industry 4.0 for the customer. The bundled innovative power and highly-specialized procedural expertise of Cloos paired with pioneering automation solutions from Baumüller helps the end user to achieve a significant competitive advantage.

"The end user benefits twice due to the combination of core competencies and the joint development of both companies," explains Sieghard Thomas, CEO of Carl Cloos Schweißtechnik GmbH. Andreas Baumüller, CEO of the Baumüller Group, is delighted about the trustworthy cooperation during the first projects.

From the operating software to the servo drive, the entire automation of the six-axis articulated robot comes from Baumüller. The end user benefits from the higher level of efficiency in the production process due to the coordinated components from a single source. The platform-independent and scalable control solutions also means a high future and investment reliability for the customer. The modular solutions can be flexibly integrated into existing and new production systems due to the open interfaces.



Fig. 1: Qirox QRH-280 in action: From special technology modules via the box PC and the control technology to the drives. In addition to the motors, Baumüller has also taken over the complete automation for the Cloos robot



Fig. 2: Cloos and Baumüller are reinforcing their cooperation and the end user is benefiting from an increased level of efficiency in automated welding technology



Fig. 3: from left to right: Andreas Baumüller (CEO, Baumüller Holding GmbH & Co. KG), Carl-Eberhard Cloos (CEO, Cloos Holding GmbH & Co. KG), Sieghard Thomas (Geschäftsführer, Carl Cloos Schweißtechnik GmbH) und Michael Schmidt (Leiter Strategische Unternehmenskommunikation & -entwicklung, Carl Cloos Schweißtechnik GmbH) draw a positive assessment of their cooperation after a successful first year

Baumüller Group

Based in Nuremberg, Baumüller is a leading manufacturer of electric automation and drive systems. Around 1,750 employees are planning, developing, fabricating and installing intelligent system solutions for mechanical engineering and e-mobility at six production locations and 40 branches worldwide – from the user interface to motion control software as per PLCopen, software modules and controls all the way to converters, electric motors and the entire service program for automation solutions.

Baumüller's full range of services also includes the areas of service, installation, assembly and relocation. Baumüller is one of the leading automation partners in mechanical engineering worldwide.

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Carl Cloos Schweißtechnik GmbH



Carl Cloos Schweißtechnik GmbH has been one of the leading companies in welding technology since 1919. With around 750 employees worldwide, production solutions in welding and robot technology are realized for industries such as construction machines, railway vehicles as well as the energy, automotive and agricultural industries. The modern CLOOS welding power sources QINEO are available for a variety of welding processes. CLOOS develops and produces customized automated welding systems with the QIROX robots, positioners and devices.

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