CLOOS

SUCCESS STORY

PARTNERSHIP-BASED COOPERATION FOR GROWTH AND INNOVATION

CLOOS robot systems ensure maximum quality and efficiency at gym80

CONNECT WITH US!

PARTNERSHIP-BASED COOPERATION FOR GROWTH AND INNOVATION

CLOOS robot systems ensure maximum quality and efficiency at gym80.

GELSENKIRCHEN/HAIGER, March 2025 - The fitness industry is booming - and gym80 from Gelsenkirchen is a perfect example of continuous growth and innovation. This is why the company relies on state-of-the-art technologies to meet increasing customer requirements in terms of quality and flexibility. In the production of high-quality fitness, strength, medical and high-performance equipment, gym80 now uses a total of ten robot systems from CLOOS to weld a wide range of components. 'The investments in automated welding production have enabled us to achieve precise and fast series production for many years,' says company spokesperson Carolin Kämpf. 'We rely on CLOOS as our permanent partner for this.'

gym80 was founded in 1980 and has its headquarters and production facilities in the heart of the Ruhr region in Gelsenkirchen. The company develops and produces fitness, strength, medical and high-performance equipment that is known for its excellent biomechanics, precision and clear design. Its main customers include large fitness centre chains. However, private individuals - including some very well-known celebrities - have also discovered the equipment for themselves during the coronavirus pandemic and invested in their own studios.

With a vertical range of manufacture of over 95% on an area of more than 5,000 square metres, the company relies on state-of-the-art technology. With a total of 200 employees and eight trainees, gym80 also attaches great importance to the training and development of skilled workers. In their free time, employees can benefit from the exclusive fitness area, which is available for training at any time.

Today, gym80 uses ten CLOOS robot systems to weld a wide variety of components.

Modern robotic welding systems in use for 20 years

The welding shop plays a central role in production, as the quality of the weld seams on the equipment is of decisive importance. Since the installation of the first CLOOS robot cell, which has been in continuous operation since 2003, a lot has happened in welding production. gym80 has also continuously invested in machinery in this area. The two latest robot systems were added in spring 2024. 'The robot systems have optimised our production processes, enabling us to achieve higher welding quality and stable production times, thereby increasing productivity,' emphasises Production Manager Jörg Köhl.

And the company is continuing to invest in future-proof production in order to meet the

Automated welding production enables precise and fast series production.

shortage of skilled labour and the high quality requirements. gym80 is currently building a fifth production hall, which will be completed shortly. The welding workshop is to be fully integrated here in future.

New compact robot systems further increase productivity

The two new, identical QR-CS-5 compact systems are ideal for components weighing up to 500 kilograms per station. They have a two-station turning table and the station change is carried out by a horizontal rotation. The clamping tools for holding the components can be easily mounted on the faceplate of the positioner. The heart of the compact systems is the QIROX QRC-350 robot in overhead position. This robot mechanics offers flexible application options for the changing requirements of the many different components that are processed at gym80. The integrated QINEO NexT welding package consists of a welding power source, a powerful wire drive and a water-cooled welding torch as well as a mechanical welding torch cleaning. Due to the 2-station principle, it is possible to insert the components in one station while the robot is welding in the other station – an enormous saving of time in the whole process run.

Automation is a benefit for employees

'The new robot systems are very easy to operate. The programming work with the QWP software in particular makes our work much easier and saves us a lot of time,' explains robot programmer Jörg Noffke, who has been working at gym80 for more than 30 years and has been a significant part of the company's growth. 'Working with the CLOOS robot systems makes our daily physical labour much easier and is much cleaner compared to manual welding.' Another important aspect is the reduced fine dust pollution, as the employees are minimally exposed to welding fumes due to the distance to the welding robot and the effective extraction system.

With automated welding production, gym80 achieves higher welding quality.

The easy-to-operate CLOOS robots make the employees' work much easier.

Long-standing partnership and cooperation

'The partnership and cooperation between CLOOS and gym80 has existed for several decades and is an excellent match,' explains company spokeswoman Carolin Kämpf. 'As a German company, local like us, CLOOS keeps the promises we make to our customers.'

gym 80 has fixed contacts - both at CLOOS itself and at the CLOOS representation Lixfeld - who support the company in the realisation of its automation projects and with service issues. If gym80 has special requests, needs adjustments or settings to be optimised, someone is quickly on site to provide support.

'The service provided by CLOOS is always solution-oriented and always offers us professional help,' emphasises Production Manager Jörg Kohl. 'To summarise, the cooperation between gym80 and CLOOS is a benefit for our company.'

CLOOS TV

CLOOS

PRESS CONTACT

CARL CLOOS SCHWEISSTECHNIK GMBH

Main office: Carl-Cloos-Strasse 1
Central warehouse: Carl-Cloos-Strasse 6
35708 Haiger
Germany

Phone +49 (0) 2773 85-0
E-mail info@cloos.de

www.cloos.de

CONNECT WITH US!