

Harms & Wende QST GmbH

Our Core Competencies

- Sales and service of products from Harms & Wende GmbH & Co. KG
- Expertise in micro-part joining for components and solutions
- Process quality assurance systems with a focus on resistance welding
- Services in the areas of training, analyses, optimizations, and commissioning
- Welding laboratory for preliminary investigations and small-series production



Components for Resistance Welding

For automated systems, we are happy to support you by supplying all components required for the welding process, ensuring reliable and perfectly matched equipment for your welding application. In addition, we provide the appropriate software for operation and documentation, enabling efficient control and traceable evaluation of the welding process.

If you do not have your own system engineering department, you can also benefit from our network of experienced machine and plant manufacturers, whom we are pleased to recommend and who will professionally support you in implementing your projects.



Harms & Wende Inverter Technology

Our portfolio includes welding controllers from Harms & Wende GmbH & Co. KG. Their versatile applications are widely used particularly in the automotive industry, industrial manufacturing, and small-part welding applications.

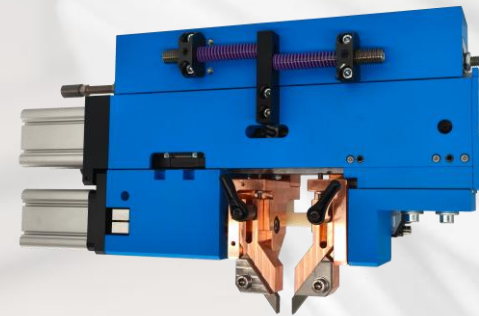
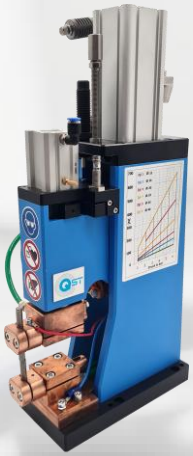
The controllers are available with integrated or separate power units as medium-frequency, high-frequency, or AC controllers – both as standalone units and as fully configured cabinet systems.



Welding Heads / Welding Guns & Compacting Modules

As a system supplier in the field of small-part welding, Harms & Wende QST offers its own welding heads for a wide variety of joining tasks. The welding heads can be individually adapted to your specific requirements.

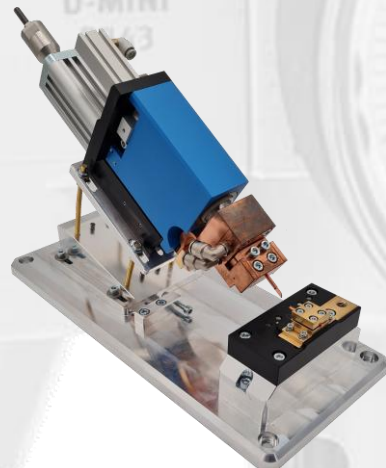
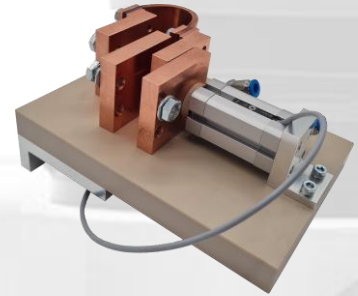
We offer welding heads for both manual workstations and fully automated systems. Our product range includes single and double welding heads, welding guns and manual spot welders, as well as compact and powerful compacting modules for compressing stranded wires.



Accessories for Your System

For the reliable and efficient operation of your systems, Harms & Wende QST offers an extensive range of accessories for a wide variety of applications in small-part welding.

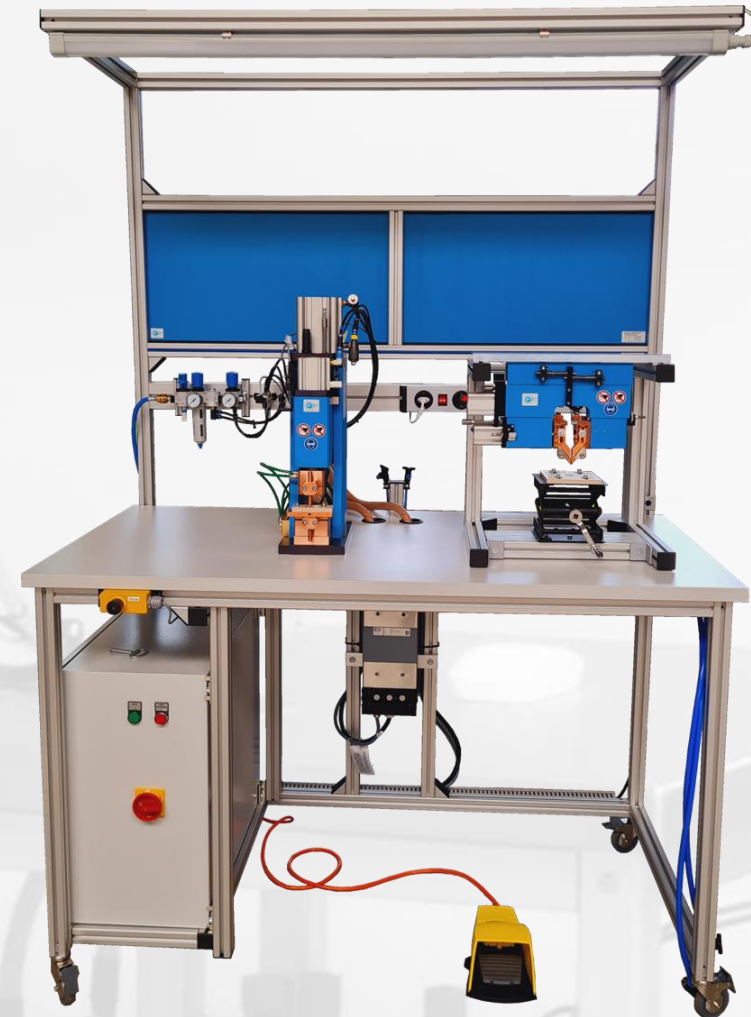
Our portfolio includes high-quality transformers, secondary cables, component holders, cooling units, pneumatic units, and sensors, as well as many other components for use in manual workstations and automated systems.



Manual Workstations

We are pleased to provide you with a customized manual workstation for your welding application, consisting of a welding controller, welding head, and all other required components.

Our manual workstations can be configured flexibly and adapted precisely to your specific in different sizes and with variable equipment options.

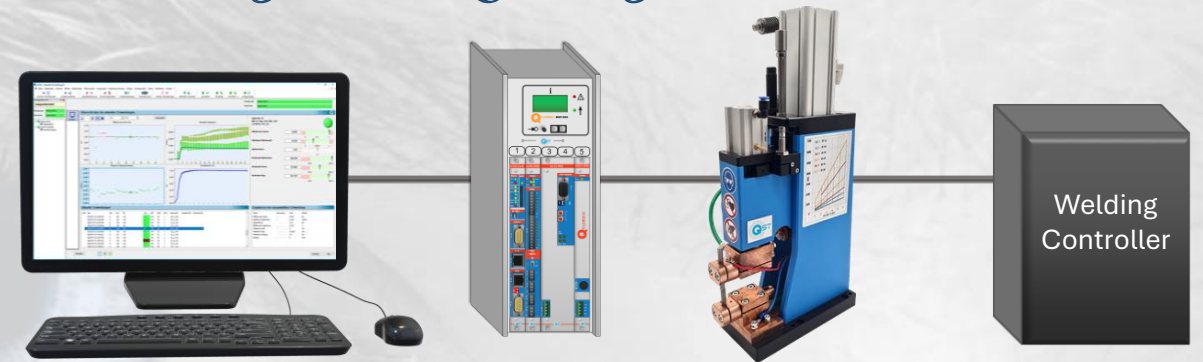


Welding Process Monitoring

Our process monitoring systems enable seamless monitoring and complete documentation of your joining process.

With a Genius welding control system, our process monitoring can be directly integrated via the PQS-Ready option or implemented with any other welding control system using the QUADRIGO measurement module.

Monitoring with Quadrigo



Monitoring with Genius



Monitoring Software

The system records measured values and trends of current, voltage, resistance, power, force, and displacement. The process is continuously monitored using defined limit values and known signal profiles. Deviations and wear are detected early by the system, and all process data is stored and permanently archived.

Via a freely configurable OPC-UA interface with XPQS NET, it can easily be integrated into customer-specific systems.



XPQS

Services

- *Training*
at QST premises or at your site individually tailored to the participants' level of knowledge
- *Service*
Our experienced team of experts provides competent and dedicated support for analyses, parameterization, and system setup at all times.
- *Preliminary Investigations*
Evaluation of weldability based on sample parts provided by the customer

HARMS+WENDE GROUP

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