

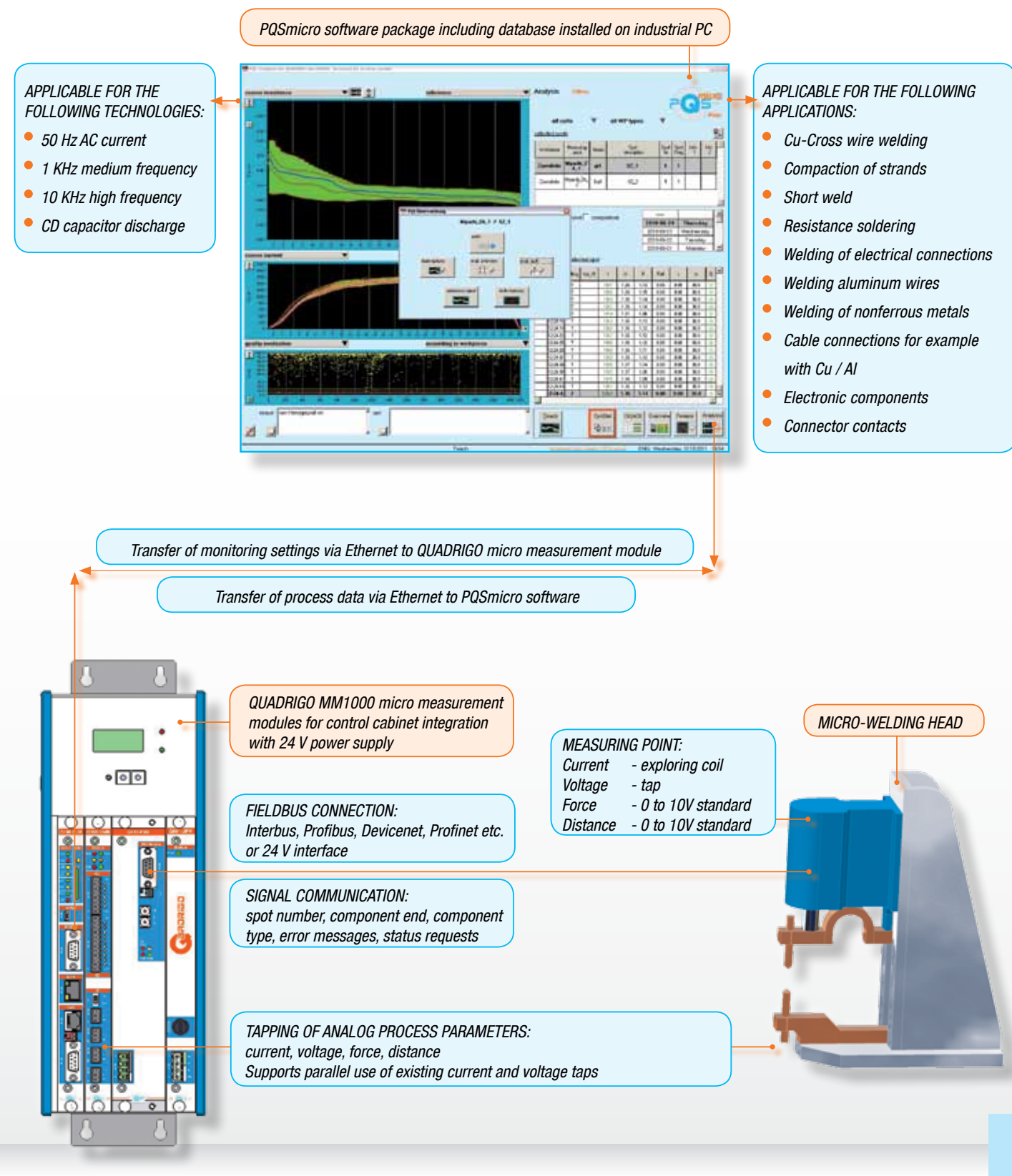


POWER | EFFICIENCY | CONTROL | QUALITY

## SYSTEM DESIGN

### PQS SYSTEM INTEGRATION

The universal high-performance QUADRIGO micro measurement modules offer maximum flexibility and independence.



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Security & efficiency  
whenever you need it!

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The **P**rocess and **Q**uality management **S**ystem  
for your micro-welding process!



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## PQSmicro – the flexible, high-performance software kit



### HIGH-END QUALITY ASSURANCE SYSTEM – CUSTOMIZED PERFORMANCE

#### microBASE

Offers innovative options for quality assurance in your production processes.

The network-ready system features comprehensive analytical, evaluation and monitoring functions. The process data of up to 16 machines and units can be evaluated and documented continuously and simultaneously, based on preset parameters. Ideal entrance-level solution for all companies who wish to implement a scalable and comprehensive quality assurance strategy.

#### microPLUS

Upgrade option for PQSMICRO BASE, for the implementation of a verifiable INLINE QA system. Comes with a range of additional analytical functions, specimen documentation and evaluation options. This powerful system includes the high-end, intelligent Q-SAVE monitoring function enabling you to monitor all relevant process data with unrivalled accuracy based on real signal curves. You thus have all the information you need at your disposal at all times for optimum safety for your joining processes.

- BASE is the entry-level solution for effective process and quality management.

- PLUS is the verifiable high-end solution for process and quality management.



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## PQSmicro - top ten for your production!



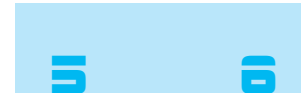
### HIGH-END QUALITY ASSURANCE SYSTEM

- |   |  |   |    |   |   |
|---|--|---|----|---|---|
| 1 | Comprehensive quality and process management significantly reduces the risk of complaints and product liability claims | ✓ | 6  | Permanent availability of all relevant process and quality data allows for fast corrective action in the event of a fault | ✓ |
| 2 | High cost savings and fast return on investment as inline inspection intervals can be significantly reduced            | ✓ | 7  | Universal measuring and system technology facilitates easy integration into virtually all control and joining systems     | ✓ |
| 3 | Faster implementation of new processes with optimum safety   | ✓ | 8  | Universal solution for a wide range of joining tasks. Ideal retrofitting solution for existing production plants          | ✓ |
| 4 | Unrivalled fault detection capability even under difficult conditions, thanks to unique Q-SAVE technology              | ✓ | 9  | Future-proof and flexible system for exacting micro-welding at optimised costs  | ✓ |
| 5 | Comprehensive process analysis and visualisation functions for production optimization                                 | ✓ | 10 | Competent on-site support by experienced team of experts  | ✓ |

SAFETY AND EFFICIENCY  
WHERE AND WHEN YOU NEED IT!

ADVANCED INLINE QA TECHNOLOGY  
MADE FOR YOU!

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## QUADRIGOmicro - universal high-performance measuring technology



### HIGH-END SCALABLE MEASURING TECHNOLOGY FOR YOUR PRODUCTION

#### Economical joining thanks to efficient systems

The compact QUADRIGOmicro measurement modules are designed for easy and safe integration into your production plant.

They communicate with the plant PLC and trigger a Q-STOP the moment and fault or error is detected. The modules require no maintenance and provide reliable and

accurate measurements of a range of analog process parameters such as current, voltage, force, distance, etc. The measurements are transferred via Ethernet to the PCS software module.

The QUADRIGOmicro measurement modules are suitable for integration in both individual workstations and fully automated production lines.



Subject to technical modifications