QMatrix

for better performance

TOP CONSULTANT
top-consultant.de
2025



Presentation of measurement technology

EXCELLENCE THROUGH STATE-OF-THE-ART MEASU TECHNOLOGY



- Using state-of-the-art 3D coordinate measuring machines and measuring methods, we inspect your components using tactile, analogue and optical methods.
- You develop and produce – we support you in quality assurance.
- Product quality is a minimum requirement for staying competitive nationally and internationally. With our range of services, we aim to actively and punctually support you in achieving your quality goals.
- Our laboratories are accredited according to DIN EN ISO/IEC 17025

OUR SERVICES



SERIAL TESTING

- Machine capability study
- Measurements during production
- Statistical evaluations
- Surface testing
- Sorting tests
- 100% inspection of safety-relevant components



FIRST SAMPLE TESTING

- Initial sample inspection according to VDA/QS9000
- Customer-specific test report



WAGE MEASUREMENT

- measurement against CAD data, 3D and 2D in the formats VDA, IGES, STEP, DXF
- Direct interfaces for Catia V6, ProE, UG, IDEAS can also process become
- Digitization of freeform surfaces
- Provision of STL data
- Graphic Evaluation of the determined Deviations
- Gear measurement (spur gearing)



Test equipment monitoring

- Review your Test equipment as well as Your Gauges and fixtures

OUR SERVICES



TRAINING

- Machine capability study
- Measurements during production
- Statistical evaluations
- Surface testing
- Sorting tests
- 100% inspection of safety-relevant components



TUNING DEVICES

- We measure your individual fixtures and gauges and adjust them according to your drawing, including all work such as grinding, etc.
- We design and construct your measuring devices individually using CAD, including manufacturing, all from a single source.



CONTRACT PROGRAMMING

Programming in the formats :

- QUINDOS up to version Q7 – Leitz Messtechnik
- PC-DMIS 3.25 to 2025.1 – Hexagon Metrology
- Cosmos – only at the customer 's site
- PolyWorks – only at the customer 's site



SPECIALISTS

- To compensate for absences and capacity peaks place we experienced Measurement technicians for use in your Measuring room from
- Vacation replacement
- Sickness cover
- Programming support

STATE-OF-THE-ART MEASURING DEVICES



OUR MEASURING DEVICES:

- DEA – Brown Sharpe Global 12.30.10
- DEA – Brown & Sharpe Chameleon 10/07/07
- Hexagon Metrology Global Silver Advantage 09.15.08
- Hexagon Metrology Global Advantage 10/07/07
- Hexagon Metrology Tigo SF 05.06.05
- Leitz Reference XI 20.09.07
- HandySan3D Black Elite

MEASURING AND EVALUATION SOFTWARE



Software:

- QUINDOS up to version Q7
- PC-DMIS up to version 2025.1
- Three offline programming stations for PC-DMIS for creating measuring programs based on CAD data prior to production
- Cosmos from Mitutoyo (only at the customer's site)
- PolyWorks

REFERENCE PROJECTS





- Supporting a global market leader in automotive interiors
- Accompanying the entire measurement process from recording to evaluation
- 3D measurement of complex component geometries
- Surface and shape analysis using 3D scanning
- Documentation and reporting for quality assessment

- Supporting a leading manufacturer in the field of plastic parts
- Composite materials and trim parts
- Interim support for measurement technology as a holiday bridging measure
- Creation of new complex measurement programs
- Initial sample measurements for OEM approval

YOUR ADDED VALUE



INNOVATIVE SOLUTIONS
for specific
Tasks

HOLISTIC APPROACH
for sustainable
Success

SPECIALIZED EXPERTS
for strong results

RELIABLE PARTNERSHIP
for long-term cooperation



ACCREDITED MEASURING TECHNOLOGY

OUR SERVICES:

- High-precision measuring technology & contract measurement
- Initial sampling & series testing
- Contract programming & test equipment monitoring
- Training, courses & user support
- Digitization & land reclamation
- Programming in QUINDOS, PC-DMIS, Hexagon Metrology , PolyWorks
- On-site service: Depending on the type of test, we come directly to you.

OUR ENTIRE PORTFOLIO



The optimization of all procedures and processes is the focus of our work.

Operational Excellence

- Value stream analysis
- Risk management
- Process optimization

Task Force / Start-up Management

- QMatrix Fokus Team



We support you with our experienced team of experts in various areas.

- Quality
- Supply chain and logistics
- Start-up
- Tool and transfer



Management of your regularly recurring tasks and processes in quality management.

- APQP & Change Management
- Supplier management
- Customer quality and warranty
- Management system & audit



Short-term staffing of your assembly, warehouse, quality department and supply chain.

- Resident Engineer
- Chek - Sort - Rework
- Production and Logistics
- Skilled workers
- Measurement technology

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QMatrix Group
Am Weidensatz 16
76756 Bellheim

+49 7272 908040

info@qmatrixgroup.com
www.qmatrixgroup.com