

About Us

AM-Flow supports companies in scaling their manufacturing operations through advanced automation solutions.

Our modular product portfolio optimizes post-processing workflows and seamlessly integrates with existing systems — enabling efficient, connected, and high-mix production environments in both additive and traditional manufacturing.



Full spherical scans of each produced part



Up to 50 µm accuracy



Quick OK / Not OK evaluation



6-12 seconds takt-time



Full metrology report per part



AM-QUALITY

STANDALONE QUALITY CONTROL

The AM-Quality system offers semi-automated, high-speed, full-spherical quality inspection — now available as a flexible, independent station.

Designed for low-volume or delicate part inspection, it provides the same proven accuracy and reliability of our inline system, without being tied to a production line or cycle speed.

Perform rapid, non-contact inspections by comparing each scanned part to its original digital file (STL) and automatically detect deviations in shape, geometry, or volume for a quick OK/Not OK evaluation. The system can generate a full metrology report, supporting reliable and repeatable quality assurance .

FULL-SPHERICAL INSPECTION

Using eight high-precision laser line scanners, the AM-Quality system captures a complete full-spherical point cloud of the part surface. The software then compares this scan to the nominal STL or CAD model to identify geometric deviations with up to 50 µm accuracy.

This method ensures consistent, objective inspection results—ideal for small batch runs, delicate materials, or parts that cannot be processed through the inline version.

ADAPTIVE QUALITY ASSESSMENT

The AM-Quality standalone system is ideal for low-volume or prototype production environments, where flexibility and precision are essential. It is particularly well-suited for inspecting highly sensitive components, as well as parts that cannot be processed through conveyor-based systems due to their geometry, fragility, or surface characteristics.



EFFORTLESS OPERATION

The system is designed for **operator-independent performance**, ensuring consistent and objective inspection results.

Its intuitive interface and automated workflow mean that **no intensive training is required** to operate the system, enabling rapid onboarding and seamless integration into existing production environments.

General information

- Takt-time: 6-12 seconds
- Accuracy: up to 50 µm
- Coverage: Full spherical

Product size

- Minimum size: 10x10x10mm
- Maximum size: 300x300x180mm

System

- Dimensions: 2000x1300x2400mm
- Weight: 850kg

Software

- The AM-Quality standalone module connects with AM-Logic™, enabling traceability, data management, and integration with existing IT infrastructure (CAD/CAM, ERP, MES).

Technical requirements

- Power supply: 120/230V ac switchable 50/60 Hz 5.0/2.0 Amps
- Connectivity:
 - Local area network with 100 Mb/s
 - 1 Gb/s Ethernet connection firewall clear for SSH:22



[LEARN MORE](#)

REVOLUTIONIZING

QUALITY

INSPECTION

Let's talk!

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