

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 scan of each produced part



Up to 50 µm accuracy



Quick OK / Not OK evaluation



5-10 seconds takt-time



Full metrology report per part

AM-QUALITY

INLINE QUALITY CONTROL

The world's first inline quality control solution provides a comprehensive range of quality assessments, ensuring automated full-spherical quality evaluation in seconds. This enables statistical process control and capability studies, benefiting industries such as medical, automotive, and aerospace.

The AM-Quality system allows for fully automated product scans with the flexibility to adapt to your specific production requirements. It automates both inline product handling and quality analysis, ultimately providing an OK/Not OK judgment including detailed metrology report.

HIGH-SPEED INLINE PROCESSING

The system offers full spherical single-shot scans to detect dimensional deviations, volumetric defects, and other common 3D printing surface defects, with an average takt-time of a few seconds, allowing for up to 720 products to be scanned and assessed per hour.



Let's talk!



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HIGH RESOLUTION **QUALITY** CONTROL

The AM-Quality system operates with an accuracy of up to 50 μm and utilizes 8 high-speed 3D laser line profile CMMs to create detailed 3D scans of the product.

These scans are then compared to the nominal digital-source-file (e.g., STL, STEP, CAD, etc.) to perform assessments.

General information

- Takt-time: 5-10 seconds
- Accuracy: up to 50 μm
- Coverage: Full spherical

Product size

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

System

- Dimensions: 2490x4940mm
- Weight: 1500 kg

Software

- AM-Logic integrates all AM-Flow modules with existing IT infrastructure, including CAD/CAM, ERP, and MES systems, providing a cohesive digital backbone for efficient factory operations and full traceability of products

Technical requirements

- Power supply: 120/230V ac switchable 50/60 Hz 5.0/3.0 Amps
- Connectivity:
 - Local area network with 100 Mb/s
 - 1 Gb/s Ethernet connection firewall clear for SSH:22



LEARN MORE

REVOLUTIONIZING

✓ QUALITY

INSPECTION

