

About Us

AM-Flow supports companies in expanding their Additive Manufacturing capabilities. Through advanced digital identification solutions designed to streamline post-processing workflows. Our product portfolio consists of various modules for workflow optimization seamlessly integrating with existing systems in high-mix high-volume 3D factories.



360 scan of each produced part



50 µm accuracy



Quick OK / Not OK evaluation



5 seconds takt-time



Full metrology report per part

AM-QUALITY

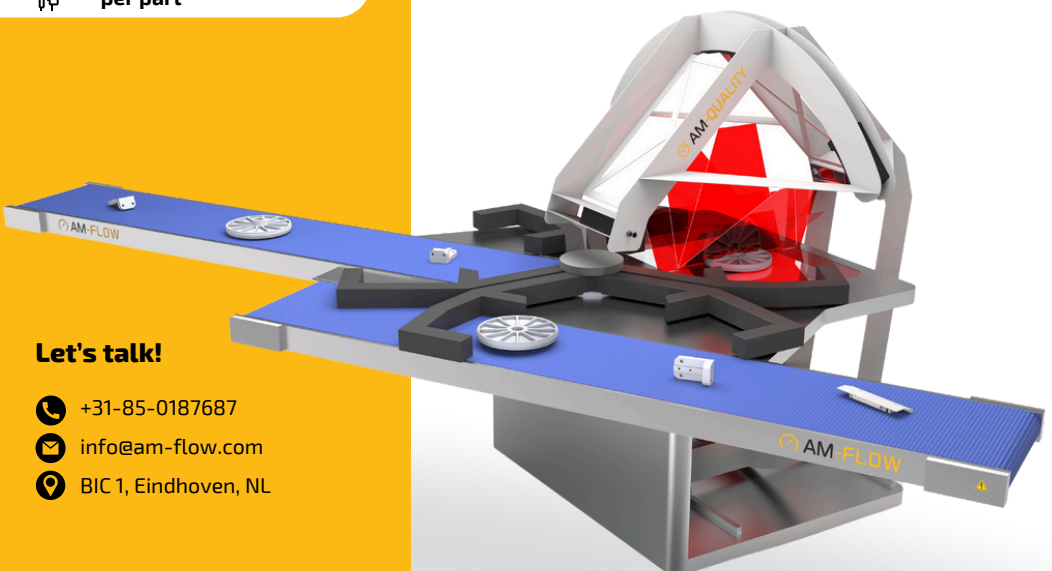
IN-LINE QUALITY CONTROL

The world's first in-line quality control solution provides a comprehensive range of quality assessments, ensuring automated 360° quality evaluation in 5 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 in-line 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 5 seconds, allowing for up to 720 products to be scanned and assessed per hour.



Let's talk!

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AM-QUALITY

HIGH RESOLUTION QUALITY CONTROL

The AM-Quality system operates with an accuracy of 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 seconds
- Accuracy: 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 5.0/2.0 Amps
- Connectivity:
 - Local area network with 100 Mb/s
 - 1 Gb/s Ethernet connection firewall clear for SSH:22

[LEARN MORE](#)

REVOLUTIONIZING

QUALITY

INSPECTION

