⊕ AM-VISION

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 3D factories.

IN-LINE IDENTIFICATION

AM-Vision leverages advanced image recognition and AI algorithms to automatically identify 3D printed parts with remarkable speed. The system can recognize a diverse range of parts based on geometry, size, and color, significantly minimizing the reliance on manual inspection.

The system identifies the correct part from a batch in just 0.2 seconds. It compares the scans to the nominal digital-source-files in real time. This automation boosts efficiency, consistency, and precision in handling complex additive manufacturing outputs.

SEAMLESS INTEGRATION

The AM-Logic software seamlessly connects to your ERP or MES, so workflow information is displayed on the AM-Logic and automatically sent to your ERP or MES, ensuring real-time updates and efficient oversight throughout the production cycle.

Part recognition in 0.2 seconds

AI & Machine learning

5 seconds takt-time

Accuracy automatic recognition: 90%

Accuracy top three: 98%

Let's talk!

📞 +31-85-0187687

✉ info@am-flow.com

📍 BIC 1, Eindhoven, NL

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INSIGHTFUL DATA

AM-Vision collects and analyzes production data, offering valuable insights to optimize workflows and improve efficiency.

The system captures and stores images of each part for client reference. After identification, parts can be sorted using AM-Logic. Combined with AM-Sort, this gives you full control over the workflow, directing parts efficiently for streamlined operations and enhanced productivity.

LEARN MORE

General information

- Takt-time: 5 seconds
- Scan time: 0.2 seconds
- Automatic recognition: 90%
- Accuracy first time right: 95%
- Accuracy recognition top 3: 98%
- False positives: 0%

Product size

- Minimum size: 10x10x10mm
- Maximum size: 300x300x300mm

System

- Dimensions: 1200x1200x2300mm
- Weight: 500 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/1500W
- Connectivity:
  - Local area network with 100 Mb/s
  - 1 Gb/s Ethernet connection