

AM-VISION

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.



Geometry-based identification system



AI-powered without pre-training



5-10s takt-time



Application agnostic

IN-LINE IDENTIFICATION

Automate part identification with high-speed, AI-driven recognition. AM-Vision uses advanced image processing and intelligent algorithms to identify parts based on geometry, size, and visual characteristics-eliminating the need for manual sorting or labeling.

By comparing each part to its digital reference in real time, the system ensures fast, accurate identification-even in high-mix environments. This results in improved consistency, reduced lead times and errors, and a scalable approach to handling complex production outputs.

HIGH-SPEED PRECISION

AM-Vision is designed for rapid, reliable performance, identifying individual parts in fractions of a second. Its vision system captures and analyzes each item on the fly, ensuring continuous operation without bottlenecks.

This level of speed and accuracy enables manufacturers to significantly increase throughput while maintaining full traceability and control over every part moving through the process.



Let's talk!

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AM-VISION

ACTIONABLE WORKFLOW CONTROL

Beyond identification, AM-Vision enables smarter decision-making across your production workflow. The system captures and stores visual and production data for every part, creating a reliable digital record for traceability, quality assurance, and customer reference.

By connecting identification directly to downstream actions—such as sorting, inspection, or routing—AM-Vision allows you to fully automate next steps in the process. The result is a more efficient, data-driven workflow with greater visibility, improved productivity, and reduced manual intervention.

General information

- Takt-time: 5-10 seconds
- Scan time: 0.2 seconds

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 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



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