



AM-Flow

<https://am-flow.com>

Workflow automation of 3D (Printed) objects & parts, focussing on High mix, High volume production

As technology leader in adaptive automation and quality assurance, we enable the 3D print industry to scale with AI based software & robotics, developed to cope with infinite shape & material variation. Within 3DOP several modules are developed:

AM-Quality: World's first In-line Quality Control system for the high mix 3D market

- Takt time of 5 seconds per part enabling 100% quality inspection
- Dimensional inspection up to 100 µm for hole diameters, surface, breakage, warping
- Full spherical point cloud data generation to assess the quality of 3D-parts
- Fully traceable inspection results and metrology report

AM-Vision: 3D part identification with a process time for an average production batch (400 parts) under 30 minutes.

AM-Sort: directing parts to the correct next process-step, recombining the one-piece to a batch.

AM-Bagging: Bag and label unit that can efficiently print high resolution text, graphics and bar codes directly onto bags and present them for ready for shipping.

Customization of the above-mentioned modules tailored to production of medical parts

Interests for Tech Demonstration:

- Cross sectoral approach of dental applications (customized medical devices) into other markets, like automotive, remanufacturing, injection moulding
- Follow-up projects with potential customers based on their application
- Dental automation system integrator implementing our products
- Demonstration facilities; co-creative events with dental part manufacturers
- Testing/demonstrating at potential customers