



COMPANY INTRODUCTION

1. Hardware, software & resins.
2. Accuracy, speed & cost-effectiveness.
3. Training, services & support.

atum3D connects superior Digital Light Processing (DLP) technology to cost-effective, high quality serial manufacturing capabilities. With proprietary hardware, intelligent software and an open resin platform, our products incorporate properties which rival traditional part production methods. With atum3D, fixed costs become flexible expenses. Reduce mould investments, lead times, logistics, stock levels and risks by manufacturing end-use parts on-site and just-in-time. Create several slightly different versions of production-grade prototypes in-house in a fraction of the time. Or produce accurate parts, healthcare devices, designs or moulds in any material.

atum 3D

3D Manufacturing Excellence

INTRODUCING ATUM3D

Industrial end-use part production is now available with the required tolerance levels and surface finishing, quality, material properties and an integral manufacturing process. With atum3D, this comes without the high investments in moulds or expensive hardware, lead times, inflexibility to instantly accommodate redesigns and inability to personalise or tailor parts to the end-user. atum3D is here to help you reap the full benefits of additive manufacturing.

PRODUCTS

All atum3D products are comprised of our proprietary hardware, software and the third-party resin that best fits your application. Based on the assessment of your intended use, material requirements and existing infrastructure, atum3D combines in-house expertise to create your optimal solution for 3D manufacturing excellence.

HARDWARE

DLP Station range | Cleaning Station | Curing Station | Finishing Toolkit

- Superior Digital Light Processing (DLP) 3D printers with purpose-built light sources, available in various with different wavelengths and resolutions.
- High-power light sources result in best-in-class build speeds.
- Unparalleled accuracy and surface finishing thanks to atum3D proprietary algorithms.
- Industrial grade consumables with maximum ease-of-use.
- Resin Tray with high chemical resistance features proprietary coating that prevents parts from sticking.
- Self-Traversing Integrated Resin Homogeniser (STIRH) actively agitates the resin as required, resulting in parts being produced with consistent material properties (available on selected models).
- Intuitive touch screen control and connectivity options.
- Automated post-processing tools to finish parts fast and easy.
- Cost-effective – midrange investment, affordable consumables and low running costs.

SOFTWARE

Operator Station | DLP Station Firmware

- Efficient print job preparation using Operator Station with MAGS AI – select the most important surface to keep it support-free; MAGS AI automatically orientates the part and generates only the necessary supports.
- Fill the Build Platform in the most efficient way with a single click.
- Print Quality settings allow selecting the balance between speed and level of detail for every print job.
- Surface Smoothness Optimisation (SSO) offers an intelligent fill option that eliminates stair-stepping effects.
- Online resin catalogue contains print settings for many different resins and is automatically updated.
- One-to-many management – operate multiple DLP Stations from a single workstation.

RESINS

Wide range of third party resins with diverse properties

- Open platform, use any available third party resins.
- Specialty resins with properties tailored to a specific application.
- Medical-grade resins for healthcare use.

SERVICES

atum3D is committed to let you benefit from our expertise in every possible way. Our support doesn't end on delivery. Training and support are available to make your life easy. If you're looking to push the boundaries and create new standards together, the Tolerance Tuning or Material R&D services have been created just for you.

Installation Service

atum3D offers the option to have hardware and software installed and calibrated for first use by certified professionals.

Operator Training

We'll kickstart your atum3D product experience with a comprehensive online or on-site Operator Training course.

DLP Support

We've created support packages to match your service and support needs for (critical) business processes.

Tolerance Tuning

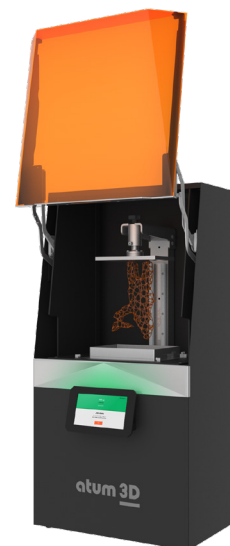
Tolerance levels up to 6 µm in the z-axis resolution or even higher build speeds are possible in fixed variable environments.

Material R&D

We're ready to apply our expertise and research possibilities to achieve custom material requirements for end-users and developers alike.

Knowledge Base

atum3D has in-depth experience with many different materials and processes.



atum3D strives for 3-fold excellence. With proprietary **software, hardware** and an **open resin platform**, we offer exceptional **accuracy, speed** and **cost-effectiveness**. We aim to make your life easy with comprehensive **training, services** and **support**. Team up with atum3D and become a part of the next industrial revolution!

For more information and specifications, please call +31 (0)85 488 26 60 or visit [atum3D.com](https://atum3d.com).

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