



## MANUFACTURING EXCELLENCE

1. Cost-effective.
2. Integral.
3. Versatile.

atum3D believes additive manufacturing will lead to the next industrial revolution. Plastic parts are everywhere. Imagine the benefits of starting production runs right after R&D is completed, without lead times. Upgrading part designs on the fly, without downtime or additional investments. Just-in-time production reducing stock levels and costs. atum3D introduces Manufacturing Excellence: the first manufacturing product incorporating the latest DLP technology, offering speed, accuracy and high-performance materials.

**atum 3D**

3D Manufacturing Excellence

## MANUFACTURING EXCELLENCE

By combining diverse and exceptional material properties available for use thanks to the atum3D industrial open resin platform with the speed, accuracy and the 45 centimeter high build envelope of DLP Station 5-365 EXZ, this all-in-one production solution offers versatility and exceptional value. The result? Start printing end-use parts, save costs, and offer your customers speed, flexibility and high-quality parts in a fraction of the time. Instantly start saving time, effort and waste, lowering the cost-per-part for small to medium serial and/or personalised manufacturing.

## FUNCTIONAL PART MANUFACTURING

We bundle everything an industrial plastics manufacturer needs to start printing series of (personalised) parts immediately.

### HARDWARE

- **DLP Station 5-365 EXZ**

» DLP Station 5-365 EXZ is based on atum3D's proprietary open platform DLP technology, offering exceptional speed and high accuracy. This printer offers an extended Z-axis, which results in an 80% higher build envelope that allows printing series of parts up to 45 cm in height. This future-proof, industrial printer is based on our powerful, high contrast 365 nm light engine which allows build speeds of up to 150 mm per hour, depending on the resin used and part and process requirements.

- **Post-processing Automation**

» To optimize your workflow and further reduce lead-times, both post-processing steps, cleaning and post-curing, can be automated. Cleaning Station is based on the cavitation effect resulting from high frequency shockwaves in ethanol, meticulously cleaning printed parts. Next, Curing Station combines a large-capacity vacuum chamber with powerful UV light and radiated heat for up to 10x faster and truly thorough post-curing.

### SOFTWARE

- **Operator Station Professional**

» After modelling, preparing a print job for DLP Station is a matter of just a few clicks thanks to our intuitive Operator Station software. Features like the unique, touch-enabled user interface and MAGS AI algorithms to swiftly position multiple models let you create and export the print job in minutes.

### RESIN

- **Manufacturing Resin**

» Our experts help finding your optimal manufacturing resin based on your application's process parameters and desired material properties. Whether you are looking for biocompatible products that print extremely fast, exceptionally strong parts with high temperature resistance or highly detailed, extremely elastic parts - we've got you covered. Our engineers are ready to advise you on ways to finetune existing part designs for additive manufacturing, ensuring you reap the full benefits of the DLP printing process and atum3D's software and hardware features.

### TRAINING & SUPPORT

- **Installation & Operator Training**

» atum3D offers customised, integral solutions with optimal ease-of-use. Our team will set up atum3D hardware and software on-site. Next, our specialist will train the operators in using Operator Station software and DLP Station 5-365 EXZ in a hands-on training session.

- **DLP Support Basic**

» Our support doesn't end with installation and training. This support package includes personal support by phone and online.

### YOUR BENEFITS

Manufacturing Excellence is an end-to-end 3D printing solution based on our DLP Station 5-365 EXZ, featuring a best-in-class combination of build envelope, speed, accuracy, versatility, and cost-effectiveness. Start printing end-use parts straight away.

Summarised, your benefits of Manufacturing Excellence include:

- Instant, flexible production of high-quality, (personalised) parts;
- Accurately print series of parts up to 45 cm in height;
- Exceptional material properties & flexibility to meet requirements;
- Intuitive software, easy to operate and calibrate hardware;
- Automated post-processing: ease-of-use and shorter lead-times;
- Custom solution: hardware, software, resin, training & support;
- High cost-effectiveness, reusable surplus resin & marginal waste.

### WE ARE HERE FOR YOU!

Adopting 3D print technology and incorporating our solutions in your existing workflow can call for tailored advice. We understand you are curious about the material properties available for manufacturing. The atum3D team is ready to answer questions, provide material samples or tailor your specific application solution to size.



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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