



ADDITIVE MANUFACTURING

-
1. Speed up.
 2. Flexibilize.
 3. Reduce costs.

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. You can reduce stock levels and risks by manufacturing just-in-time, create production-grade prototypes in-house in a fraction of the time or produce accurate (medical) parts, designs or molds in any available material.

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3D Manufacturing Excellence

The term 'additive manufacturing' includes a broad range of different technologies. We've summarized the potential benefits of additive manufacturing, the specific benefits of DLP technology versus other additive manufacturing technologies, and ultimately the unique added value atum3D products offer, compared to other DLP machines. With atum3D, you're able to reap the full benefits of the additive manufacturing potential.

ADDITIVE MANUFACTURING

Additive manufacturing refers to the process by which digital 3D design data is used to build up a part in layers by depositing material. The strengths of additive manufacturing lie in those areas where conventional manufacturing reaches its limitations. When compared to traditional methods, like injection molding, additive manufacturing methods offer many significant benefits:

Efficiency

- Create complex parts without impact on efficiency/cost
- Create many different parts without impact on efficiency/cost
- Little waste
- Accurate production planning
- Low investment (no molds)
- Short time from development to production

Flexibility

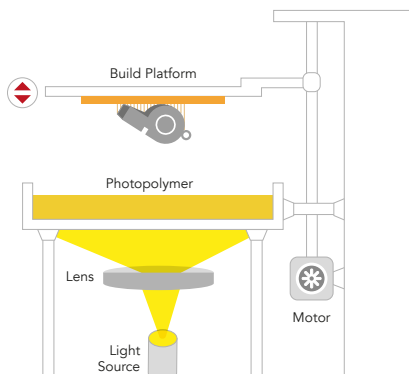
- Design determines production
- Easy modification & redesign potential for product customization

Specifications

- Complex structures
- Lighter solid parts with semi-hollow interior

DIGITAL LIGHT PROCESSING (DLP)

Digital Light Processing (DLP) is an additive manufacturing process based on photopolymer resins that react with light and cure to form a solid in a very precise way to speedily produce accurate parts.



The key benefits of DLP over other additive manufacturing technologies are:

- Resolution
- Flexibility
- Material use efficiency
- Cost efficiency
- Material properties
- Fusion between layers

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Integral DLP solutions for both R&D and production
atum3D developed industrial-grade hardware, firmware and software in-house in the Netherlands from the ground up. That allows us to offer a unique proposition compared to other DLP suppliers.

Accurate

The combination of proprietary hardware and software allows atum3D to achieve an unparalleled accuracy and surface finish.

Fast

Our Operator Station software takes you from initial model import to final print job in just a few clicks. DLP Station build speeds are amongst the fastest in the industry. Post processing is accelerated with our Cleaning and Curing extensions.

Open Platform

We created an open platform which allows you to use any material available on the market. We'll advise you on the optimal material, based on your desired material properties or application-induced needs.

Cost Efficient

atum3D products require a midrange investment, and the running costs are low. Add speed, flexibility, low waste levels and low consumable use. atum3D offers exceptional quality and accuracy. Hence, unparalleled value.

Training & Support

At atum3D, we aim to make our customer's life easy. For every new customer we welcome to the atum3D family, we offer training and support to make sure you get the most out of our products and are inspired to push the boundaries towards new standards.

Would you like to know what atum3D's products and services can do for you? Contact our experts today!



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.

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