



PRODUCT DESIGN EXCELLENCE

1. Fast.
2. Accurate.
3. Diverse material properties.

Additive manufacturing technology offers new and exciting opportunities for product design studios and departments alike. It's now possible to make accurate prototypes or parts cost-effectively, fast and in-house. atum3D introduces the Product Design Excellence Pack: the first engineering product incorporating the latest DLP technology, offering fast, production-grade accuracy and the material properties you desire.

atum 3D

3D Manufacturing Excellence

PRODUCT DESIGN EXCELLENCE PACK

This comprehensive and versatile atum3D product includes everything a Product Design Studio or R&D department needs to replace most external prototyping. Instantly start saving time, effort and waste, significantly lowering the cost-per-part.

WHAT'S INCLUDED?

We've bundled specific hardware, software, resin, consumables and services to comprise the Product Design Excellence Pack.

HARDWARE

- **DLP Station 5-405**
 - » State-of-the-art DLP Station with a powerful 405 nm light engine and 100 micron resolution, exceptional speed, accuracy and atum3D's proprietary open material platform.
- **Post-processing automation**
 - » The Product Design Excellence Pack includes the Cleaning Station and Curing Station extensions.

SOFTWARE

- **Operator Station Professional (single workstation)**
 - » Our intuitive software with atum3D's MAGS AI prepares your part for print in just a few clicks and features Surface Smoothness Optimisation. Included is a 1 year license for a single workstation.

RESIN

- **Product Design resin pack (3 x 1 kg)**
 - » We'll include three resins with properties that offer a good match with the prototyping and product design applications. Thanks to the atum3D open platform, you can use any resin you like.

	3DM-BLACK	Strong-X	3D 3820 Ultra Clear
Supplier	ADMAT	Liqcreate	LOCTITE®
Appearance	Black	Grey	Transparent
Hardness (Shore)	D82-83	D87	D60
Tensile strength (Mpa)	N/A	91	18-28
Tensile modulus (Mpa)	N/A	2500	520-840
Elongation at break (%)	N/A	8	26-46
Flexural strength (Mpa)	N/A	135	N/A
Flexural modulus (Mpa)	N/A	3250	N/A
Application	Prototyping	Prototyping	Prototyping

CONSUMABLES

- **Starter Kit 5-405**
 - » Initial set of consumables and all tools you need to start working.

TRAINING & SUPPORT

- **Installation & Operator Training**
 - » We'll set up your atum3D hardware and software on-site. Next, our specialist will train the operators in using Operator Station software and DLP Station 5-405 in a hands-on training session. Included is an 8-hour installation and training day; travel time and expenses are excluded.
- **DLP Support Basic**
 - » Our support doesn't end with installation and training. This support package includes personal support by phone and online.

YOUR BENEFITS

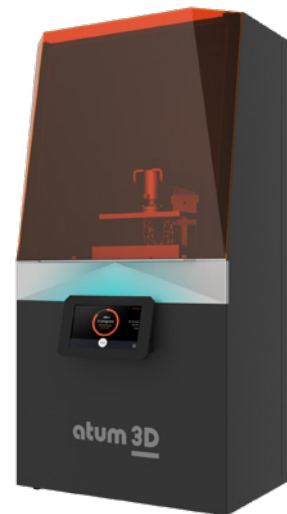
At the heart of the Product Design Excellence Pack is our industrial grade DLP Station 5-405. The large build envelope allows you to create many prototypes in a single run, without impacting build speed. The open resin platform allows you to select your desired material properties. Preparing your design for production is fast and easy thanks to our Operator Station software with MAGS AI technology, which automatically positions and generates necessary supports for your part. With the included Cleaning and Curing Stations, your prototypes and parts are ready for use, fast.

Summarised, your benefits of the Product Design Excellence Pack include:

- Build speed of up to 90 mm/hour;
- Exceptional accuracy, surface finishing and truly round openings;
- Resins for prototyping/product design included;
- Large build envelope allows creating many prototypes in a single run, without impacting build speed;
- Seamless digital transfer from design (CAD) to manufacturing (CAM);
- Integral product: includes resin, software, post-processing automation, consumables, installation and operator training;
- Unparalleled value and versatility for a midrange investment.

WE'RE HERE FOR YOU!

We understand that incorporating innovative technology in your current business processes calls for tailored solutions. Although we believe the Product Design Excellence Pack offers the best additive manufacturing starting point for prototyping and product design purposes, our team gladly customises your product bundle to order.



LOCTITE® is a registered trademark of Henkel IP & Holding GMBH LLC.

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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