



JEWELLERY EXCELLENCE

1. Accurate pieces.
2. Single/series production.
3. Cast specialty metals.

Additive technology holds exciting opportunities for jewellery designers and gold- and silversmiths alike. It's now possible to create series of personalised designs by casting materials like titanium with the accuracy you're looking for to bring your creations to life. atum3D introduces the Jewellery Excellence Pack: the first jewellery product incorporating the latest DLP technology, offering optimal added value for the jeweller's workshop.

atum 3D

3D Manufacturing Excellence

JEWELLERY EXCELLENCE PACK

This comprehensive atum3D product includes everything a jeweller or smith needs to start creating unique, personalised and previously unimaginable designs, either as single pieces or small series. Start saving time, effort and waste, significantly lowering the cost-per-item.

WHAT'S INCLUDED?

We've selected the most popular products and services for jewellery design to comprise the Jewellery Excellence Pack.

HARDWARE

- **DLP Station 5-405**
 - » DLP Station with a powerful 405 nm wavelength light source and 100 micron resolution, exceptional speed, accuracy and an open material platform.
- **Post-processing automation**
 - » The Jewellery Excellence Pack includes the Cleaning Station and Curing Station extensions.

SOFTWARE

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

RESIN

- **Casting resin (1 liter)**
 - » Choose one of the resins with properties that fit the noble and specialty metals casting application. Thanks to our open resin platform, you're free to select any available resin.

	FREEPRINT cast	PowerCast WAX
Supplier	DETAX	Power Resins
Appearance	Red	Blue
Ash-free burnout	100%	100%
Application	Casting	Casting

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 Jewellery Excellence Pack is our industrial grade DLP Station 5-405, which creates smooth parts thanks to the high 100 micron resolution. The large build envelope allows you to create many pieces in a single run, without impacting build speed. We've included your choice of the most popular jewellery resins, which burn out without any residue and allow you to accurately cast specialty metals. Preparing your design for print is fast and easy thanks to our Operator Station software with MAGS AI technology, which automatically positions and generates necessary supports for your pieces. With the included Cleaning Station and Curing Station, your designs are ready for further processing, fast.

Summarised, your benefits of the Jewellery Excellence Pack include:

- Build speeds of up to 90 mm/hour;
- Exceptional accuracy, surface finishing and truly round openings at 100 microns;
- Resin for specialty metal casting (lost wax method) included;
- Large build envelope to create series of unique or personalised pieces in a single run;
- Seamless digital transfer from design (CAD) to manufacturing (CAM);
- Integral product: includes resin, software, post-processing automation, consumables, installation and operator training;
- Unparalleled value 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 Jewellery Excellence Pack offers the best additive manufacturing starting point for the jewellery industry, our team gladly customises your product bundle to order.



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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