



AUTOMOTIVE INTERIOR EXCELLENCE

1. End-use parts.
2. High abrasion resistance.
3. Fast and accurate.

Short lead times, fast development and design iterations and local, just-in-time production of functional automotive interior parts is here. Mitsubishi Chemical and atum3D have joined forces to connect fast, accurate and cost-effective DLP 3D printing with a specialty resin offering technical properties that fit the automotive industry. Interior trim parts, covers and frames can now be created in a matter of hours. With this abrasion resistant material incorporated in an integral manufacturing solution, the Automotive Interior Excellence Pack includes the tools to move beyond prototyping and start manufacturing end-use parts.

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AUTOMOTIVE INTERIOR EXCELLENCE PACK

Every car interior contains hundreds of plastic parts, traditionally created using expensive, time-consuming and inflexible injection moulding techniques. In close cooperation with atum3D, Mitsubishi Chemical created a high-quality DLP resin tailored to the requirements of the automotive industry. Series of interior trim parts, covers and frames can now be 3D printed, allowing just-in-time production and significantly saving time and costs.

WHAT'S INCLUDED?

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

HARDWARE

- **DLP Station 5-365 with STIRH**
 - » Industrial grade, open platform 3D printer with a powerful state-of-the-art 365 nm light source featuring an ultra high resolution and a high contrast ratio offering build speed, accuracy and atum3D's Self-Traversing Integrated Resin Homogeniser (STIRH).
- **Post-processing automation**
 - » The Automotive Excellence Pack includes the Cleaning Station, Curing Station and Finishing toolkit extensions. Removing excess resin and post-curing parts to reach their final material properties is automated, saving time and effort.

SOFTWARE

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

RESIN

- **Diabeam™ 3D-H01C resin (1 kg)**
 - » We've included this Diabeam™ resin, with technical properties that offer a good fit with the automotive interior application.

	Diabeam™ 3D-H01C
Hardness (Shore)	D79-D80
Tensile strength (Mpa)	33
Tensile modulus (Mpa)	1000
Elongation at break (%)	19
Application	Interior parts, trims, covers, frames

CONSUMABLES

- **Starter Kit 5-365**
 - » 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 5-365 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

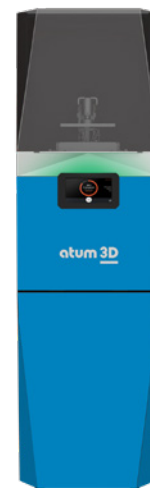
The Automotive Interior Excellence Pack is based on our DLP Station 5-365 with STIRH, featuring a powerful light source that delivers speed in accurate and consistent repetition. The combination of our 365 nm light source and STIRH allows you to use Diabeam™, a high-quality resin by Mitsubishi Chemical. Efficiently prepare for print with our Operator Station Professional software.

Summarised, your benefits of the Automotive Interior Excellence Pack include:

- High build speeds and best-in-class accuracy thanks to the powerful 365 nm light source and an exceptional contrast ratio;
- Diabeam™ resin developed by Mitsubishi Chemical for use with atum3D hardware balances heat resistance and impact resistance, combined with high abrasion resistance;
- atum3D STIRH actively homogenises the resin as required for consistent results;
- Large build envelope enables combining several parts in a single run, without impacting build speed;
- Quality consumables: atum3D's Resin Tray features our proprietary coating, high chemical resistance and quick release pins; Build Platform S is installed and aligned in seconds;
- Integral product: includes resin, software, post-processing automation, consumables, installation and operator training.

WE'RE HERE FOR YOU!

We understand that incorporating innovative technology in your current business processes calls for tailored solutions. Although we believe the Automotive Interior Excellence Pack offers the best additive manufacturing starting point for the automotive industry, our team gladly customises your product bundle to order.



Diabeam™ is a registered trademark of Mitsubishi Chemical

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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