MASSIVit 3D

Massivit 3D Printing Systems

LARGE-VOLUME, FAST 3D PRINTING

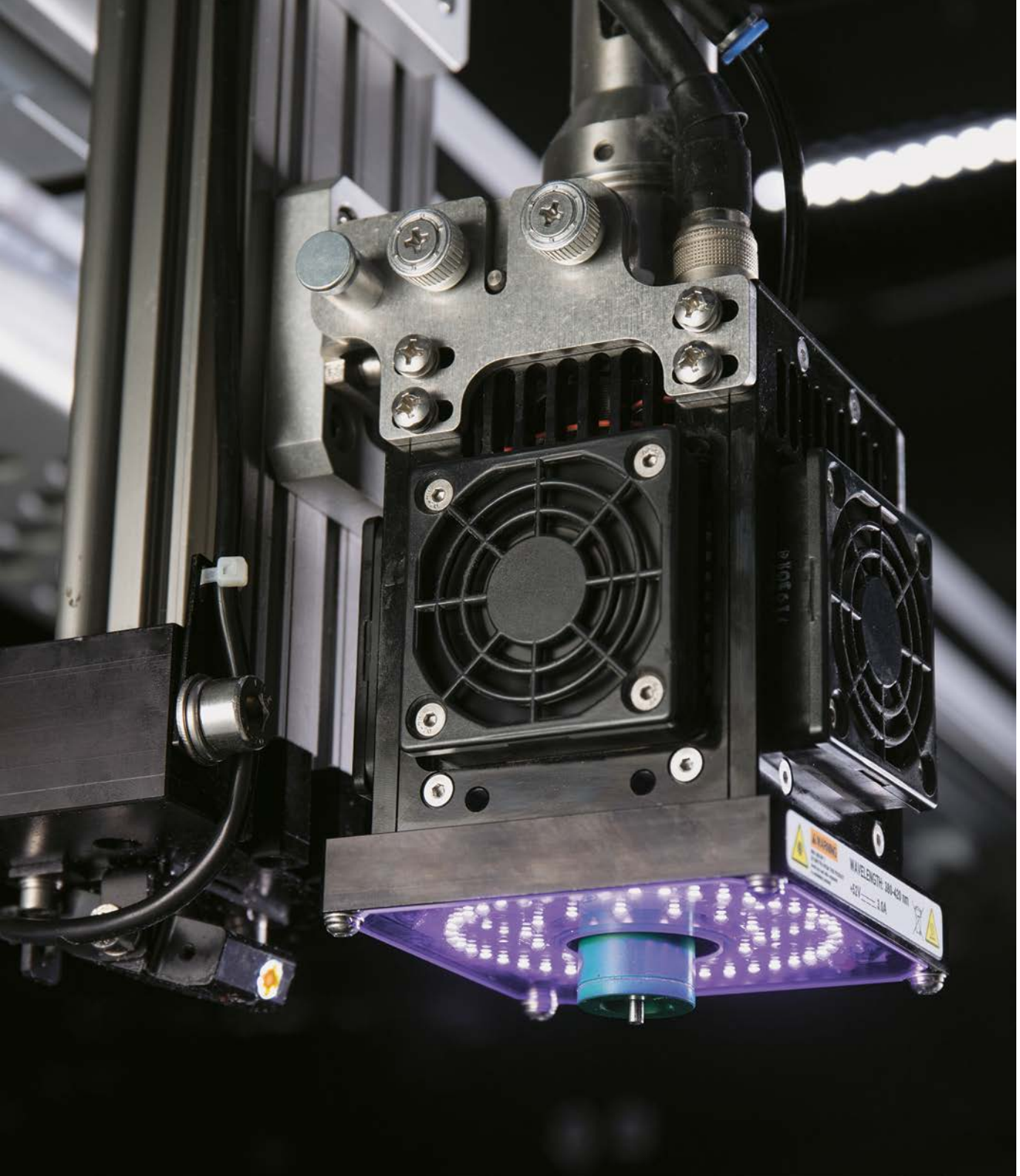
MASSIVIT 3D PRINTING
Large, Custom Manufacturing at Unprecedented Speed

Massivit 3D printing systems empower manufacturers and service providers to expedite their lead times with unique Gel Dispensing Printing (GDP) technology.

Serving a range of industries:

- Automotive
- Marine
- Rail
- Architecture
- Scenic Fabrication
- Visual Communication
- Education & Research

INSTALLED BASE ACROSS 40+ COUNTRIES



30x FASTER

Produce full-scale prototypes, molds, and parts within a matter of hours, instead of days or weeks. Dual printing heads allow you to create 2 models simultaneously with 2 different materials. Watch your parts instantly cure during printing, providing ready parts straight off the printer.

FULL-SCALE PROTOTYPES, MOLDS, PARTS

Print a single part with a build volume of 145cm x 111cm x 180cm. Eradicate time wasted on producing and joining numerous small parts.

COST-EFFECTIVE, WASTE-FREE

Eliminate the mess, waste, and storage requirements associated with CNC machining and manual labor. Also, unlike legacy 3D printers, Massivit 3D technology prints with practically no support structures.

COMPLEX FORMS AND UNDERCUTS

Easily create large, complex forms and undercuts that are unattainable with other technologies. Produce symmetrical parts with precision thanks to automated slicing software algorithms.

Massivit 3D Printing Systems
A Range of Products to Suit Your Needs

	Massivit 1800	Massivit 1800 PRO	Massivit 5000
No. of printing heads	1 (Not upgradable)	1 or 2, with option to upgrade	2 printing heads
Unprecedented printing speed	300mm/sec linear speed. 35cm/13.7" on Z axis per hour. (Printing speed for 1-meter diameter cylinder)		

Experience unprecedented production speed for full-scale prototypes, molds, and parts. Massivit 3D printing systems comprise robust, large-volume hardware, easy, live monitoring via internal cameras and computer vision, user-friendly software, advanced slicing algorithms, and a range of photo polymer materials.

	Massivit 1800	Massivit 1800 PRO	Massivit 5000
Layer thickness	• Normal (1.3mm) • Quality (1mm) • High Resolution (0.8mm)	• Normal (1.3mm) • Quality (1mm) • High Resolution (0.8mm)	• **Fast (1.5mm) – Double the speed for large, robust models.** • Normal (1.3mm) • Quality (1mm) • High Resolution (0.8mm) • **High Definition (0.5mm) – Extra smooth, fine details.**
Special printing modes		• Mega-Quality (Rapid, high quality printing of large objects allowing gel cost efficiency) • Variable Resolution (Predefine multiple resolutions per model according to required strength and quality) • Mold Mode (Produce architectural elements, restorations, street furniture.. with concrete or plaster casting)	• Mega-Quality (Rapid, high quality printing of large objects allowing gel cost efficiency) • Variable Resolution (Predefine multiple resolutions per model according to required strength and quality) • Mold Mode (Produce architectural elements, restorations, street furniture.. with concrete or plaster casting)
Maximum printing volume	145cm x 111cm x 180cm or 57" x 44" x 70"		
Supported materials	• Dimengel 90 – All-purpose, cost-friendly • Dimengel 100 – All-purpose/ translucent	• Dimengel 90 – All-purpose, cost-friendly • Dimengel 100 – All-purpose/ translucent	• Dimengel 90 – All-purpose, cost-friendly • Dimengel 100 – All-purpose/ translucent • **Dimengel 110 – High definition and enhanced model fidelity**
Workflow efficiency: Material system	**Single material system**		**Double material system** Print with a different material on each print head according to application requirements.
Workflow efficiency: Cleaning mechanism	Auto cleaning (time-based)		Print head camera with image recognition provides automated, efficient cleaning as required.
Workflow efficiency: Massivit SMART Slicer	Integrated user-friendly software plus 1 Massivit SMART Slicer license (purchased separately). Sophisticated algorithms for easy file preparation. Includes instant Estimator Tool.	Integrated user-friendly software plus **advanced Massivit SMART Pro Slicer – 1 complimentary license.** Additional license can be purchased separately. Sophisticated algorithms for easy file preparation. Includes Estimator Tool plus additional features and modes such as Mold Mode, Variable Resolution, and Mega-Quality.	Integrated user-friendly software plus **advanced Massivit SMART Pro Slicer – 2 complimentary licenses.** Sophisticated algorithms for easy file preparation. Includes Estimator Tool plus additional features and modes such as Mold Mode, Variable Resolution, and Mega-Quality. **Additional automation features to increase workflow efficiency.**
Workflow efficiency: Advanced monitoring	Camera on printing head tip for monitoring.	Camera on printing head tip for monitoring.	Camera on printing head tip for monitoring. Additional 40" flat panel screen displays live output from 3 internal cameras plus recording capability for marketing purposes.
Remote control	Remote monitoring, operations and support available via a range of computers, tablets, and phones.	Complimentary 9.6" tablet provided for convenient remote monitoring, operations, and support.	Remote monitoring, operations and support available via a range of computers, tablets, and phones.

Massivit 3D Printing Technologies Ltd. (www.massivit3D.com) is a leading provider of large-volume 3D printing systems for the Automotive, Marine, Rail, Architecture, Energy, Entertainment, and Education industries. Backed by 50 live patent assets, the company's Gel Dispensing Printing (GDP) technology empowers manufacturers, fabricators, and service providers to produce full-scale prototypes, molds and parts at unprecedented speed.

Founded in 2013 by a team of 3D printing and 2D printing experts, Massivit 3D is headquartered in Lod, Israel and provides its customers across 40 countries with comprehensive services via an extensive dealer network.

MASSIVit 3D

Contact us to learn more about large-volume, fast 3D printing

www.massivit3D.com | info@massivit.com
T. +972-8-6519486 F. +972-73-2571232

BLOG

Image credits: [Page 2] Toyota Supra MK5 Wide Body Kit Launch, 3D Printed by BCT Entertainment for STREETHUNTER DESIGNS. Warrior Troll 3D Printed by SEEN Technology for FortressAustralia. Custom Yacht Dashboard 3D Printed by Velum Nautica. [Page 6] Yacht Stern Extension by Velum Nautica. [Back Cover] Full-Scale Concept Car 3D Printed by Marie 3D, Designed by Takumi Yamamoto. Palace Restoration Capitals 3D Printed by Sismaitalia. Coca Cola Thermoformed Point of Purchase From 3D Printed Mold by McGowans Print. SEMA Launch of Toyota Wide Body Kit by STREETHUNTER DESIGNS, 3D Printed by BCT Entertainment.

©2021 Massivit 3D Printing Technologies Ltd. All rights reserved. Massivit 3D, GDP Gel Dispensing Printing, Massivit 5000, Massivit 1800, Massivit 1800 Pro, and the related logos and slogans are trademarks of Massivit 3D Printing Technologies Ltd. All brand names are the property of their respective owners and may or may not be trademarked. Protected by a number of issued and pending US patents.