



Massivit 5000



**A New League in Large-Scale
Additive Manufacturing**

Print Large Industrial Parts. Ultra fast

The Massivit 5000 industrial-grade 3D printer enables ultra-fast custom manufacturing for the automotive, aerospace, railway, marine and additional industries. Based on Massivit's proven Gel Dispensing Printing (GDP) technology, the Massivit 5000 enables manufacturers and service providers to rapidly produce full-scale end-use parts, tooling applications, and functional prototypes.

Key Benefits of Large-Scale Custom Manufacturing

Speed Redefined

Produce large components within hours instead of days or weeks. Watch your parts instantly cure during printing, enabling the creation of parts straight from the printer. The Massivit 5000 offers advanced features to ensure workflow efficiency.

Full-Scale Parts in a Single Print

Based on Massivit's widely-used Gel Dispensing Printing (GDP) technology, already adopted across 40 countries, the Massivit 5000 enables high-speed production of full-scale parts thanks to its advanced gel-based printing materials and extraordinary build volume: 145 x 111 x 180cm (57" x 44" x 70").

Complex Forms and Undercuts

Create large, complex forms and undercuts with ease that are unattainable with other technologies.

Ultimate Flexibility

Choose from a range of print modes and layer thicknesses that cater to both high-definition applications and tight turnovers. The system's unique Variable Resolution mode allows for multiple resolutions to be predefined for a given part, according to the required strength and quality of its geometry. This reduces print time by only printing in high resolution where required.

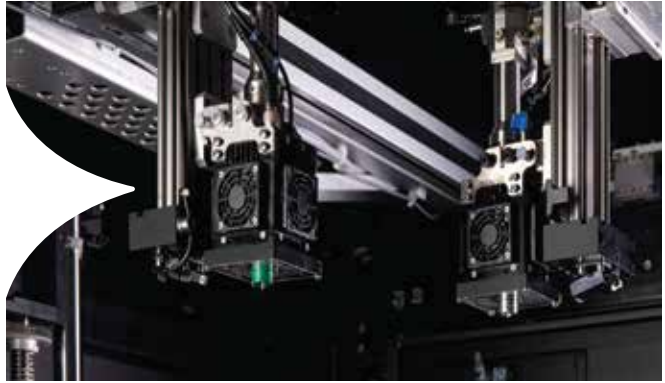
Versatile Materials

Benefit from a wide range of high-performance materials designed for specific industry needs: high impact resistance, flame retardancy, transparency, and more.

Cutting-Edge Technology

Dual Material System

Dual print heads, each with an independent X,Y and Z axis, allow for double the throughput. In addition, each print head has its own dedicated material system, enabling two models to be simultaneously printed with a different material on each head.



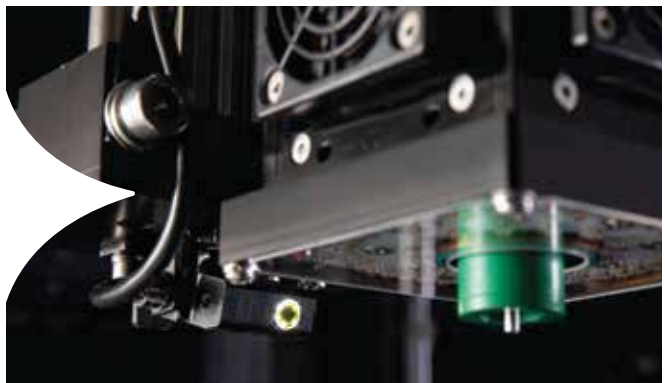
UV Ring System

A ring-shaped UV system enables even curing during printing from all directions.



Smart AI Image Recognition

Print head camera with Smart AI image recognition provides automated print monitoring.



Automatic Purging

Automatic purging on the print head ensures an exceptional print quality without effecting the printing time.



Massivit 5000 Specifications

Print Configuration	Gel Dispensing Printing (GDP)
Print Volume	145cm x 111cm x 180cm or 57" x 44" x 70"
Number of Printing Heads	2 Print Heads (Can Operate Independently)
Motion System	Servo motors
Layer Thickness	0.5 mm, 0.8 mm, 1.3 mm, 1.5mm
Material System	Dual-Material System
Material	Dimengel 400, Dimengel 110, Dimengel 100, Dimengel 90, and Dimengel 300
Workflow and Software	Includes Integrated User-Friendly Software With Touch-Screen Interface. Advanced Massivit Smart Pro Slicer
Input Data File	STL, OBJ, 3DS, and PLY
Connectivity	2 Print Head Cameras & 3 Additional Internal Cameras Linked to Broadcasting System with 40" Flat-Panel Display
Industry 4.0	Compliant
System Dimensions	3 x 2.2 x 2.8 m / 119 x 87 x 110 inch
System Weight	2500 kg / 5511 lb. Packed: 3000 kg / 6613 lb
Power Consumption	Typical 1.35 KW



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