

ENTRY-LEVEL LASER SINTERING SOLUTION

INDUSTRIAL PERFORMANCE MADE ACCESSIBLE



PRODWAYS
TECHNOLOGIES

ProMaker P1000

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INDUSTRIAL PERFORMANCE MADE ACCESSIBLE

The ProMaker P1000 provides a large build platform to make industrial production and flexibility accessible to a larger range of professional users for new applications.

HIGH PRECISION AND ACCURACY FOR ALL PARTS

The ProMaker P1000 features a high resolution laser beam that delivers amazing precision and superior surface quality on all parts. Its modular re-coating system ensures optimized powder management and layer homogeneity with all types of powders, allowing the use of a large range of materials.

ADVANCED THERMAL CONTROL FOR OPTIMIZED MECHANICAL PROPERTIES

With an advanced heating system, including ten heaters and dual IR sensors for intelligent temperature control, the ProMaker P1000 provides optimized mechanical properties, opening up a wider range of applications.



ENTRY-LEVEL LASER SINTERING: ACCESS TO INDUSTRIAL PERFORMANCE

ProMaker P1000 SPECIFICATIONS

ProMaker P1000

Max. Build envelope size (LxWxH)	300 x 300 x 300 mm (11 x 11 x 11 in)
Volume Build Rate (max) * @0.10 mm layer thickness	0.9 l/hr 54 in³/h
Volume Build Rate (max) * @0.12 mm layer thickness	1.1 l/hr 67 in³/h
Scanning Speed	3.5 m/s (118 in/s)
Scan Spacing	0.15 - 0.30 mm 0.006 - 0.012 in
Layer thickness (typical)	0.06-0.12 mm (0.1 mm) 0.002-0.004 in (0.004 in)
Laser Type	30W CO ₂
Laser beam size	450 µm
Laser Window	Removable, Easy to clean
Precision optics	F-theta-lens
Powder Feed Mode	Bi-directional powder feed system with two feed cylinders
Powder Delivery	Precision counter-rotating roller
Max. Chamber Temperature	200°C 392°F
Thermal Field Control	Ten independent heaters with four IR sensor & intelligent temperature control systems
Key Software Features	Slicing on the fly
Printer size (LxWxH)	1640 x 1000 x 1920 mm (65 x 39 x 76 in)
Weight	700 kg (1544 lb)
Data File Format	.STL / 3MF

* material, geometry and nesting density dependant

By choosing one of our ProMaker machines, you're also accessing our vast technical knowledge and a wide range of available services to help optimize production and maximize profitability.
TRAINING • MAINTENANCE • HOTLINE AND ON-SITE ASSISTANCE • SPECIFIC DEVELOPMENT

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THE NEW WAY OF PRODUCING

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