PRODWAYS TECH

ProMaker **P1000 SERIES**

SELECTIVE LASER SINTERING
POLYMER POWDER 3D PRINTER

INDUSTRIAL ENTRY LEVEL SLS® SYSTEMS

FAST, ACCURATE, AFFORDABLE

PRODUCTIVITY

27 to 32 liters build volume
up to 2 liters/hour build speed

PRECISION

450µm laser beam size
Advanced on-the-fly slicer

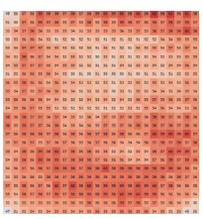
FLEXIBILITY

Easy to switch between
the 7 available materials

WWW.PRODWAYS.COM

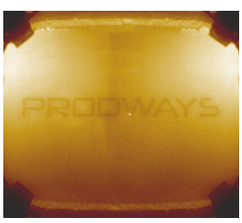
Prodways Selective Laser Sintering printers: THE INDUSTRIAL SLS® REVOLUTION

ProMaker P1000 SERIES - SPECS



24x24 points thermal field control

Brings the renowned thermal control of the standard P1000 one step further, allowing even more homogeneous thermal distribution all across the platform. [P1000 X]



Integrated video camera

Get remote access to your P1000 system and have a look at your job, live, from anywhere. [P1000 X]

	ProMaker P1000	ProMaker P1000 X
Build chamber size (LxWxH)	300 x 300 x 300 mm | 11.8 x 11.8 x 11.8 in	300 x 300 x 360 mm | 11.8 x 11.8 x 14.2 in
Build rate @0.1mm layer thickness*	1 liter/hour	2 liters/hour
Scanning speed	3,5 m/s	8 m/s
Focusing system	F-Theta Lens	
Laser power and type	30W CO_2 - 450 µm spot size	60W CO_2 - 450 µm spot size
Layer thickness*	60/100/120 µm	
Powder feed type	Bi-directional, hot feed cylinders system. Counter-rotating roller recoater (optional: blade)	
Max chamber temperature	200 °C | 392 °F	
Thermal field control	4 independent thermal sensors	24 x 24 points grid system
Heating system	10 independent IR heaters	
Camera system	NA	Integrated video camera
Software features	In-machine, 'on the fly' slicer, compatible with STL and 3MF file formats.	
Available materials**	PA12, PA11 natural and glass filled, TPU, PP, Stark 3200	
Printer size (LxWxH)	1640 x 1000 x 1920 mm | 65 x 39 x 76 inches	1800 x 1000 x 1920 mm | 71 x 39 x 76 inches
Nitrogen supply	External nitrogen generator	External or integrated high purity nitrogen generators
Weight	700 Kg | 1544 lbs.	750 Kg | 1653 lbs.
Power requirements	210 – 240 VAC, 32A, 50/60 Hz	

* Depending on material, geometry and nesting density
** the Process Developer License allows to test and run even more materials

WWW.PRODWAYS.COM

USA | **Boston**
316 Daniel Webster Hwy, Merrimack, NH 03054
+1 603-429-9700

Germany | **Frankfurt**
Raiffeisenstr. 8a - 61169 Friedberg
+49 (0)6031 / 7283-0

France | **Paris**
ZI Des Garennes - 1, rue Chappe - 78130 Les Mureaux
+33 (0)1 30 90 44 12

V 08.10.2019