



Selective Laser Sintering
Technology



PRODUCTIVE

32 liters build volume.
Up to 1,4 liters/hour build rate



AFFORDABLE

The best price/volume ratio in
the industrial printers category



RELIABLE


Proven technology & high
quality manufacturing



Prodways Selective Laser Sintering Printer Unlock industrial SLS® production

The ProMaker P1000 S enables to produce laser sintered parts in series while meeting the challenges of industrial production. It is therefore the ideal solution to start with industrial production of SLS® parts or to expand a material portfolio in an affordable way.

SPECIFICATIONS

	Build chamber size (LxWxH)	300 x 300 x 360 mm 11.8 x 11.8 x 14.2 in
	Build rate @0.1mm layer thickness*	1.4 liters/hour
	Scanning speed	3.5 m/s 138 in/s
	Focusing system	F-Theta Lens
	Laser power and type	30W 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
	Max chamber temperature	200 °C 392 °F
	Thermal field control	24 x 24 points grid system
	Heating system	10 independent IR heaters
	Camera system	Integrated video camera
	Software features	In-machine realtime slicer, compatible with STL and 3MF file formats
	Available materials	PA12, PA11 natural and glass filled, TPU, PP
	Printer size (LxWxH)	1700 x 1159 x 2008 mm 67 x 46 x 79 in
	Nitrogen supply	Integrated high purity nitrogen generator
	Weight	750 Kg 1653 lbs.
	Power requirements	210 – 240 VAC, 32A, 50/60 Hz
	Scalability	Possibility to upgrade to a ProMaker P1000 X for more speed

* Depending on material, geometry and nesting density