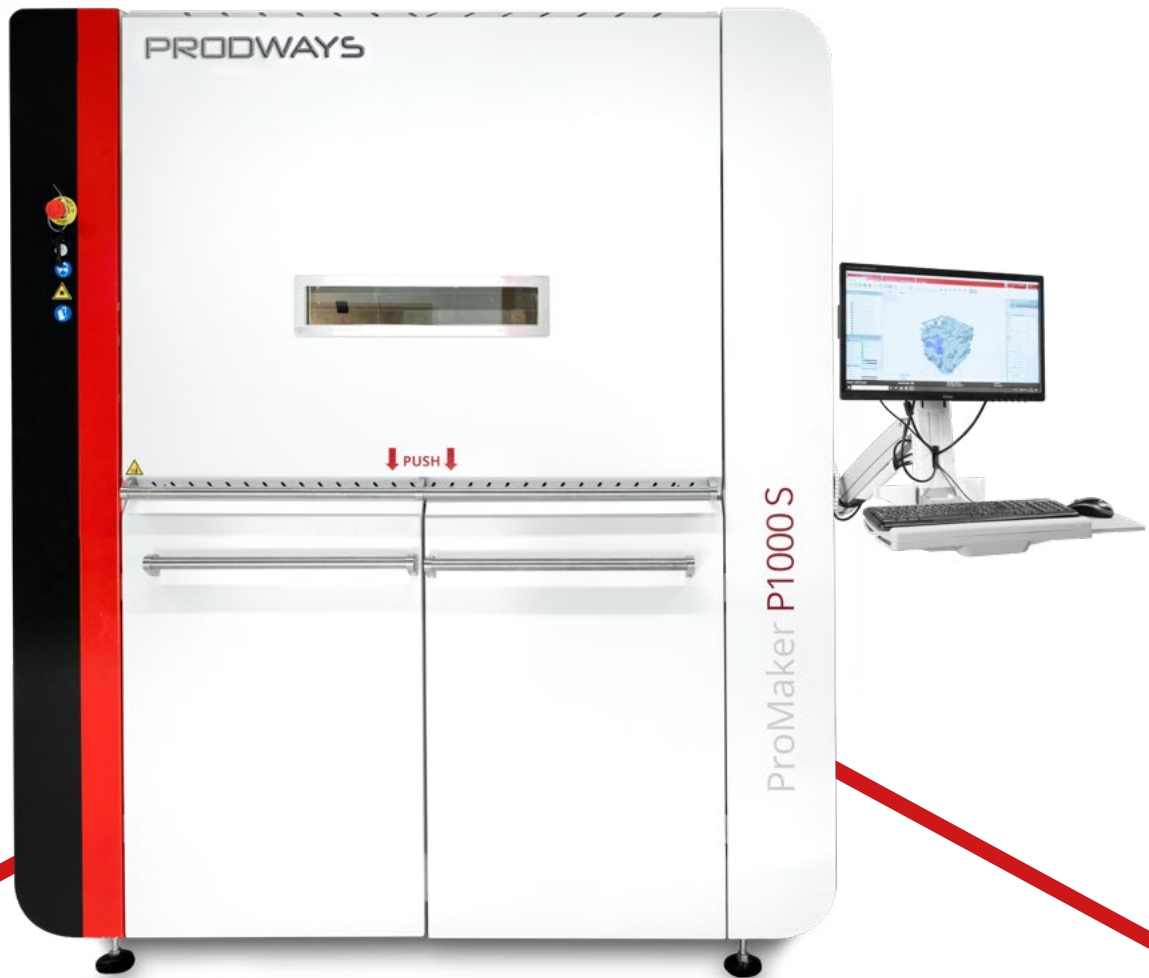




Selective Laser Sintering  
Technology



**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

	<b>Build chamber size (LxWxH)</b>	300 x 300 x 360 mm   11.8 x 11.8 x 14.2 in
	<b>Build rate @0.1mm layer thickness*</b>	1.4 liters/hour
	<b>Scanning speed</b>	3.5 m/s   138 in/s
	<b>Focusing system</b>	F-Theta Lens
	<b>Laser power and type</b>	30W CO <sub>2</sub> - 450 µm spot size
	<b>Layer thickness*</b>	60/100/120 µm
	<b>Powder feed type</b>	Bi-directional, hot feed cylinders system. Counter-rotating roller recoater
	<b>Max chamber temperature</b>	200 °C   392 °F
	<b>Thermal field control</b>	24 x 24 points grid system
	<b>Heating system</b>	10 independent IR heaters
	<b>Camera system</b>	Integrated video camera
	<b>Software features</b>	In-machine realtime slicer, compatible with STL and 3MF file formats
	<b>Available materials</b>	PA12, PA11 natural and glass filled, TPU, PP
	<b>Printer size (LxWxH)</b>	1700 x 1159 x 2008 mm   67 x 46 x 79 in
	<b>Nitrogen supply</b>	Integrated high purity nitrogen generator
	<b>Weight</b>	750 Kg   1653 lbs.
	<b>Power requirements</b>	210 – 240 VAC, 32A, 50/60 Hz
	<b>Scalability</b>	Possibility to upgrade to a ProMaker P1000 X for more speed

\* Depending on material, geometry and nesting density