

# A PREMIUM LASER SINTERING SOLUTION INDUSTRIAL PERFORMANCE IN A COMPACT DESIGN WITH HIGH TEMPERATURE CAPABILITY



**PRODWAYS**  
POWERED BY **FARSOON**

## ProMaker **P2000** SERIES

[WWW.PRODWAYS.COM](http://WWW.PRODWAYS.COM)

The ProMaker P2000 Series delivers high industrial performance in a compact footprint, with a high temperature-capable configuration to process the most advanced materials.

### **INDUSTRIAL PERFORMANCE IN A COMPACT FOOTPRINT**

The ProMaker P2000 series offers high productivity and flexibility for industrial production in a compact design. With the fastest scan speeds in its class, the ProMaker P2000 is capable of high-volume production as well as efficiently producing small runs or customized products within a few of hours.

### **HIGH ACCURACY AND PRECISION FOR ALL YOUR PARTS**

The ProMaker P2000 series machines feature the latest high accuracy digital galvo scanning system. A high-resolution laser beam delivers amazing precision and superior surface quality on all parts across the build platform.

### **PROCESS HIGH-PERFORMANCE MATERIALS AT VERY HIGH TEMPERATURES**

The high-temperature-capable configuration of the ProMaker P2000 HT enables the ability to process a wide variety of high-performance materials. With enhanced temperature shielding, powerful laser technology, and an accurate thermal control system, our P2000 series are opening up new possibilities for advanced research and direct-use applications.



**PREMIUM LASER SINTERING: AN INDUSTRIAL SOLUTION FOR PROTOTYPING AND RAPID MANUFACTURING**

## ProMaker P2000 SERIES TECHNICAL SPECIFICATIONS

### ProMaker P2000 SD

### ProMaker P2000 HT

External Dimensions	1750 x 1150 x 1915 mm (68.9 x 45.3 x 75.4 in)	
Build Size*	250 x 250 x 320 mm (9.84 x 9.84 x 12.60 in)	
Volume Build Rate** @0.10 mm layer thickness	0.8 l/hr 48 in <sup>3</sup> /h	1.0 l/hr 61 in <sup>3</sup> /h
Volume Build Rate** @0.12 mm layer thickness	1.0 l/hr 61 in <sup>3</sup> /h	1.2 l/hr 73 in <sup>3</sup> /h
Scanning Speed	7.6 m/s 300 in/s	10.2 m/s 401 in/s
Scan Spacing	0.20 mm 0.008 in	0.30 mm 0.012 in
Layer thickness (typical)	0.06-0.3 mm (0.1 mm) 0.002-0.011 in (0.004 in)	
Scanner	Digital galvo scanning system	
Laser Power Control System	High precision - Digital signal	
Laser Type	30W CO <sub>2</sub>	60W CO <sub>2</sub>
Laser beam size	450 µm	
Laser Window	Removable, Easy to clean	
Powder Feed Mode	Bi-directional powder feed system with single feed cylinder	
Powder Delivery	Precision counter-rotating roller	
Max. Chamber Temperature	190°C 374°F	220°C 428°F
Heating Element	Shortwave gold-plated twin tube - Fast-heating and easily accessible	
Thermal Field Control	Eight-zone heater & intelligent temperature control systems	
Temperature Regulation	Real-time build surface temperature monitoring & optimization	
Weight	1800 kg (3968 lb)	
Power Requirements	2.0 kW 12 kW Max	3.0 kW 12 kW Max
Data File Format	.STL	
Key Software Features	Manual and automatic control modes, real-time build parameter modification, three-dimensional visualization, diagnostic functions	

\*Build quality degradation may occur outside the effective build size. \*\* Up to (max)

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**

**PRODWAYS**  
THE NEW WAY OF PRODUCING

ZI Les Garennes - 1-3, rue Chappe 78130 les Mureaux | Tel: +33 (0)1 30 90 44 12 | [www.prodways.com](http://www.prodways.com)

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