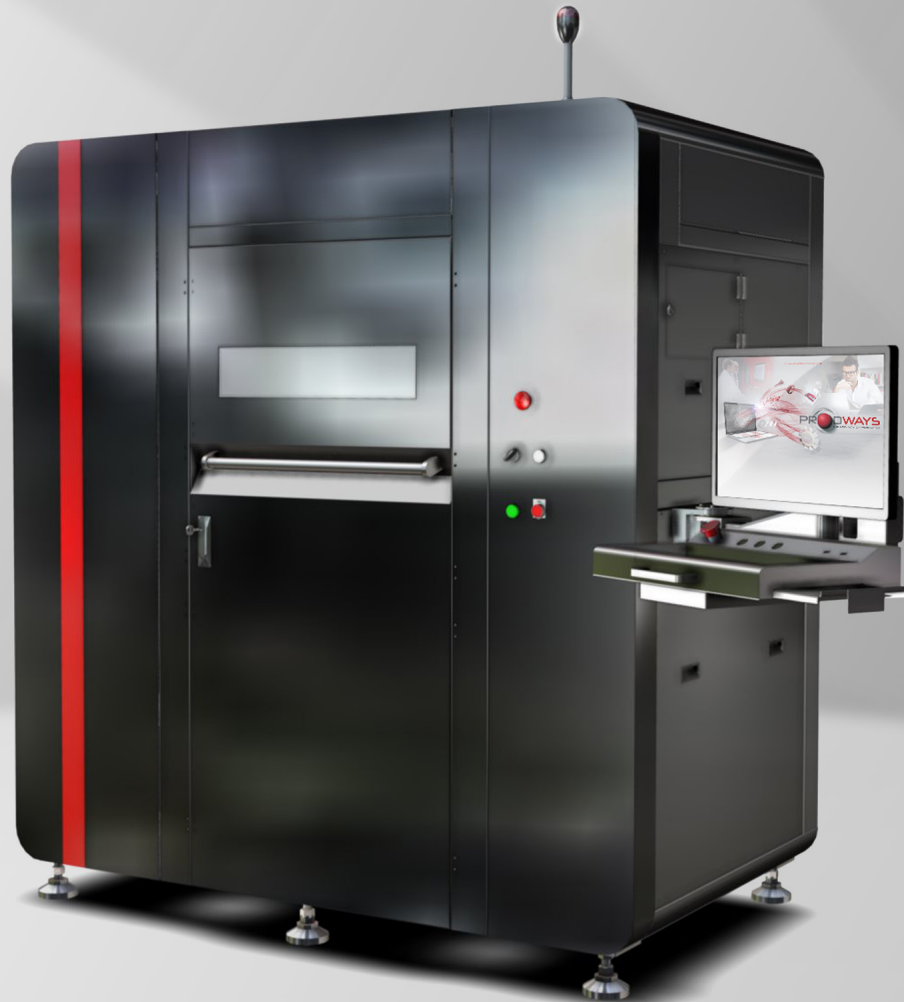


A PREMIUM LASER SINTERING SOLUTION INDUSTRIAL PERFORMANCE IN A COMPACT DESIGN WITH HIGH TEMPERATURE CAPABILITY



PRODWAYS
POWERED BY FARSOON

ProMaker **P2000** SERIES

WWW.PRODWAYS.COM

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

IMPRESSIVE 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 dynamic-focusing, 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)	
Weight	1800 kg (3968 lb)	
Effective Build Size*	200 x 200 x 300 mm (7.87 x 7.87 x 11.81 in)	
Max Build Size*	250 x 250 x 320 mm (9.84 x 9.84 x 12.60 in)	
Layer thickness (typical)	0.06-0.3 mm (0.1 mm) 0.002-0.011 in (0.004 in)	
Volume Build Rate**	0.3 l/hr 18 in ³ /h	0.6 l/hr 37 in ³ /h
Scanning Speed	7.6 m/s (300 in/s)	
Scan Spacing	0.15 mm 0.006 in	0.30 mm 0.012 in
Scanner	Dynamic-focusing, High-accuracy digital galvo scanning system	
Laser Power Control System	High precision - Digital signal	
Laser Type	30W CO ₂	60W CO ₂
Laser beam size	450 µm	
Laser Window	Removable, Easy to clean	
Power Requirements	2.0 kW 12 kW Max	3.0 kW 12 kW Max
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	
Data File Format	.STL	
Key Software Features	Manual and automatic control modes, real-time build parameter modification, three-dimensional visualization, diagnostic functions	
System Warranty	One-year parts and labor warranty	

*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

Photos: ©Prodways - ©Thinkstock - ©Shutterstock - V, 22/10/2015
 ©Prodways 2015 - The information contained in this document is not contractually binding and may not be reproduced without prior approval.

