

A PREMIUM LASER SINTERING SOLUTION
HIGH PERFORMANCE AND PRECISION
WITH THE BEST THERMAL STABILITY



PRODWAYS
POWERED BY **FARSOON**

ProMaker **P4000** SERIES

WWW.PRODWAYS.COM

The ProMaker P4000 series of selective laser sintering systems brings state-of-the-art industrial production capabilities for resistant thermoplastic functional prototypes and rapid manufacturing.

HIGH PRODUCTIVITY REDUCING OPERATING COST

The ProMaker P4000 series meets industrial needs by offering impressive build rates, supported by its best-in-class, high-speed digital scanning system, a powerful laser, and largest effective build platform.

HIGH ACCURACY AND PRECISION FOR ALL YOUR PARTS

The ProMaker P4000 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.

BEST THERMAL STABILITY FOR OPTIMIZED MECHANICAL PROPERTIES

The ProMaker P4000 series is the most thermally-stable printer range, utilizing an eight-zone heater system and intelligent temperature control technology, providing superior mechanical properties and process repeatability on a wider range of premium materials. Prodways constantly pursues the development of high performance materials and actively seeks industrial and R&D partnerships to explore new materials and applications.



PREMIUM LASER SINTERING: THE BEST THERMAL STABILITY, PERFORMANCE, AND PRECISION

ProMaker P4000 SERIES TECHNICAL SPECIFICATIONS

	ProMaker P4000 SD	ProMaker P4000 HS	ProMaker P4000 X
External Dimensions	2660 x 1540 x 2150 mm (104.8 x 60.7 x 84.7 in)		
Build Size*	400 x 400 x 450 mm (15.75 x 15.75 x 17.72 in)		
Volume Build Rate** @0.10 mm layer thickness	1.3 l/hr 79 in ³ /h	2.0 l/hr 122 in ³ /h	3.0 l/hr 183 in ³ /h
Volume Build Rate** @0.12 mm layer thickness	1.6 l/hr 97 in ³ /h	2.4 l/hr 146 in ³ /h	3.6 l/hr 219 in ³ /h
Scanning Speed	7.6 m/s 275 in/s	11.4 m/s 435 in/s	15.2 m/s 590 in/s
Scan Spacing	0.20 mm 0.008 in	0.30 mm 0.012 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	Dynamic-focusing, High-accuracy digital galvo scanning system		Dynamic-focusing, High-accuracy fully-digital galvo scanning system
Laser Power Control System	High precision - Digital signal		
Laser Type	30W CO ₂	60W CO ₂	100W CO ₂
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)		
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	3000 kg (6613 lb)		
Power Requirements	2.5 kW 15 kW Max	2.5 kW 15 kW Max	3.0 kW 15 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

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