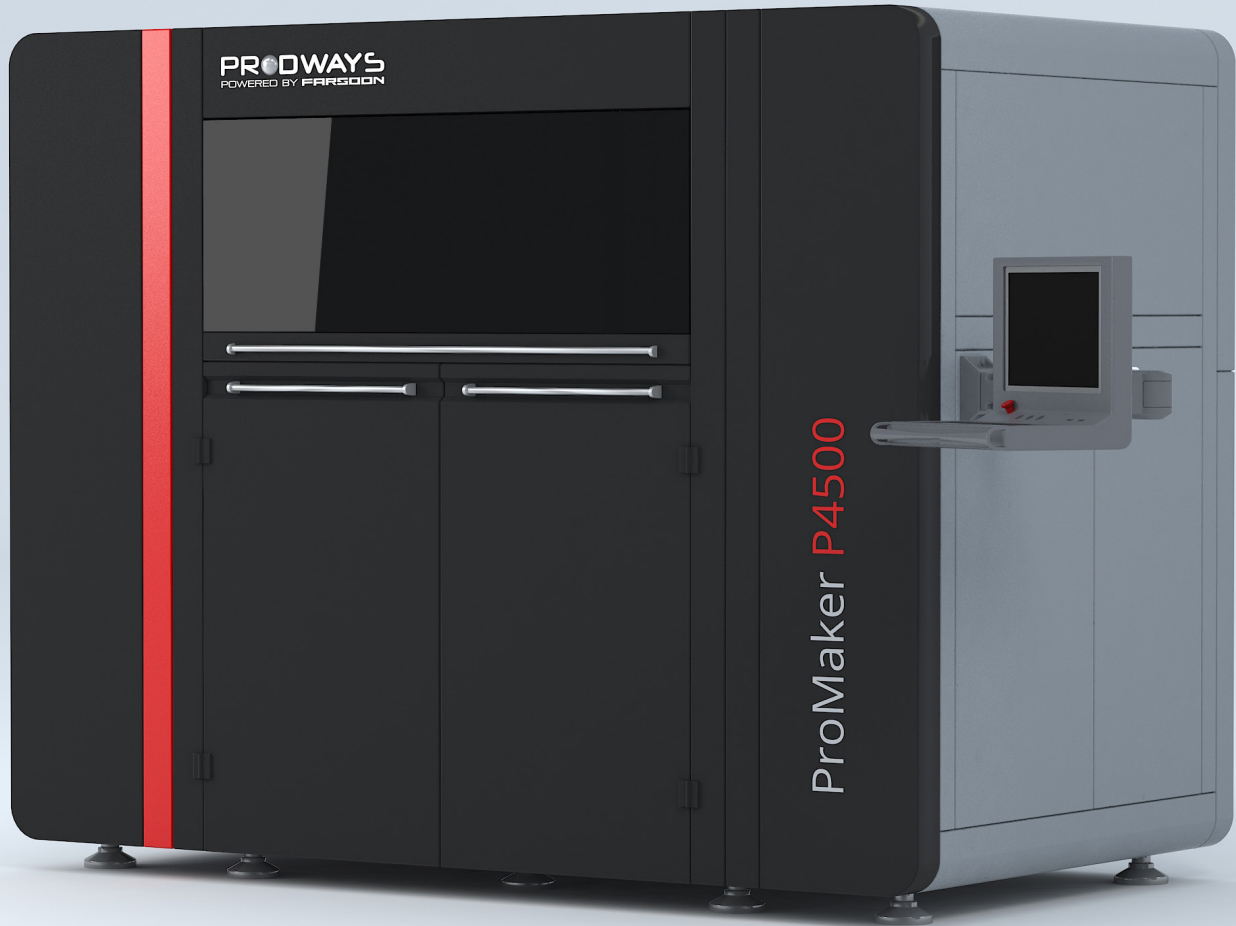


A PREMIUM LASER SINTERING SOLUTION

HIGH PERFORMANCE, PRECISION AND HIGH-TEMPERATURE CAPABILITIES



PRODWAYS
POWERED BY **FAR300N**

ProMaker P4500 SERIES

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HIGH PRODUCTIVITY FOR REDUCED OPERATING COST

The ProMaker P4500 series meets industrial needs by offering impressive build rates, made possible by its advanced, high-speed digital scanning system and large effective build platform.

BEST-IN-CLASS THERMAL STABILITY FOR OPTIMIZED MECHANICAL PROPERTIES

The ProMaker P4500 series offers best-in-class thermal stability with an eight-zone heater system and intelligent temperature control technology, providing superior mechanical properties and accuracy for all your parts.

HIGH TEMPERATURE CAPABILITIES TO PROCESS ADVANCED MATERIALS

The high-temperature-capable configuration of the ProMaker P4500 HT enables users to process a wide variety of high-performance materials such as PA6, opening up new possibilities for advanced research and direct-use applications.

OPEN MATERIAL STRATEGY

The ProMaker P4500 series offers open material platforms, supporting customer innovation and the development of new direct manufacturing applications.



PREMIUM LASER SINTERING: HIGH TEMPERATURE CAPABILITIES WITH THE BEST THERMAL STABILITY & PERFORMANCE

ProMaker P4500 SERIES TECHNICAL SPECIFICATIONS

ProMaker P4500 SD PROMAKER P4500 HS PROMAKER P4500 X PROMAKER P4500 HT

Max Build Envelope (LxWxH)	400 x 400 x 450 mm (15.75 x 15.75 x 17.72 in)			
Volume Build Rate* @ 0.12 mm layer thickness	1.5 l/hr 91 in³/h	2.7 l/hr 164 in³/h	4.0 l/hr 244 in³/h	4.0 l/hr 244 in³/h
Scanning Speed	7.6 m/s 275 in/s	10 m/s 393 in/s	15.2 m/s 590 in/s	15.2 m/s 590 in/s
Layer thickness (typical)	0.06-0.3 mm (0.12 mm) 0.002-0.011 in (0.004 in)			
Scanner Type	High precision galvo scanning system			
Laser Type	30W CO ₂	60W CO ₂	100W CO ₂	100W CO ₂
Powder Feed Mode	Bi-directional powder feed system with single feed cylinder			
Max. Chamber Temperature	190°C (374 ° F)			220°C (428°F)
Heating Element	Golden infrared heater			
Thermal Field Control	Eight-zone heater & intelligent temperature control systems			
Temperature Regulation	Continuous real-time build surface temperature monitoring & optimization			
Key Software Features	Manual and automatic control modes, real-time build parameter modification, three-dimensional visualization, diagnostic functions			
Data File Format	.STL			
Printer size	2550 x 1550 x 2150 mm (100.4 x 61 x 84.6 in)			
Power Requirements	380 VAC - 50/60 Hz - 15 KW Three-phase Five-wire			

* material dependent

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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