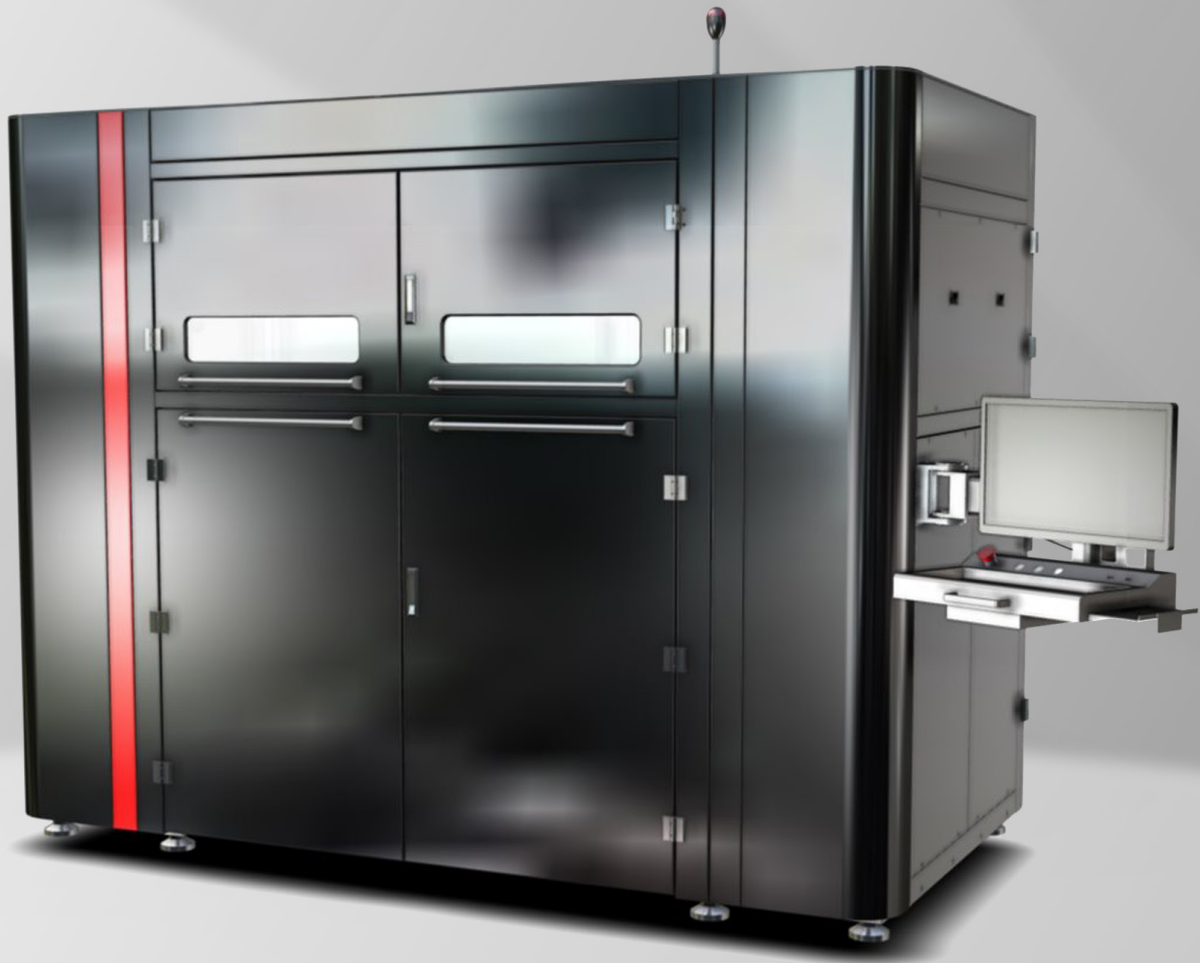


A PREMIUM LASER SINTERING SOLUTION HIGH PERFORMANCE AND PRECISION WITH THE BEST THERMAL STABILITY



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 | ProMaker P4000 HS | ProMaker P4000 X |
|----------------------------|--|-----------------------------------|---|
| External Dimensions | 2660 x 1540 x 2150 mm (104.8 x 60.7 x 84.7 in) | | |
| Weight | 3000 kg (6613 lb) | | |
| Effective Build Size* | 350 x 350 x 430 mm (13.78 x 13.78 x 16.93 in) | | |
| Max Build Size* | 400 x 400 x 450 mm (15.75 x 15.75 x 17.72 in) | | |
| Layer thickness (typical) | 0.06-0.3 mm (0.1 mm) 0.002-0.011 in (0.004 in) | | |
| Volume Build Rate** | 0.7 l/hr 43 in ³ /h | 1.5 l/hr 92 in ³ /h | 3.0 l/hr 183 in ³ /h |
| Scanning Speed | 7.6 m/s 300 in/s | 7.6 m/s 300 in/s | 12.7 m/s 500 in/s |
| Scan Spacing | 0.15 mm 0.006 in | 0.30 mm 0.012 in | 0.30 mm 0.012 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 | | |
| Power Requirements | 2.5 kW 15 kW Max | 2.5 kW 15 kW Max | 3.0 kW 15 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) | | |
| 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 | | |

*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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