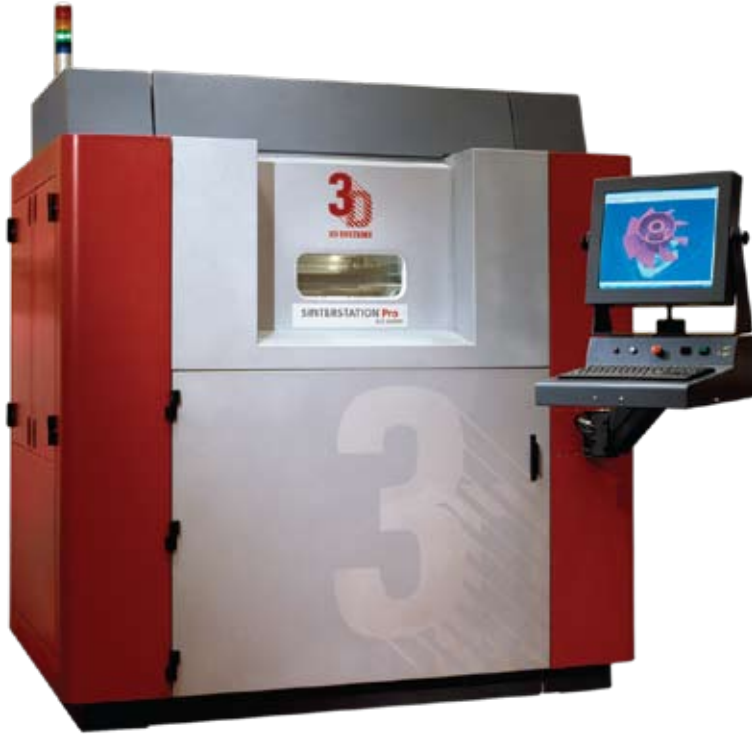


Sinterstation® Pro SLS® System



The Sinterstation® Pro SLS® System is designed specifically for Direct Manufacturing and large rugged prototypes.

Rapidly manufacture end-use plastic parts to demanding manufacturing specifications directly from 3-D CAD data.

Applications

- Rapid manufacturing and rapid prototyping
- Tool-less plastic part manufacturing
- Form/fit/functional plastic prototypes
- Ideal for Automotive, Motorsports, Aerospace, White Goods/Kitchen Appliances, R&D and others needing small to extra-large plastic parts from 3-D CAD data

Features

- Modular design
- Largest available part size
- Closed-loop thermal control
- Digital scanning system
- Fully integrated powder recycle system
- Counter-rotating roller

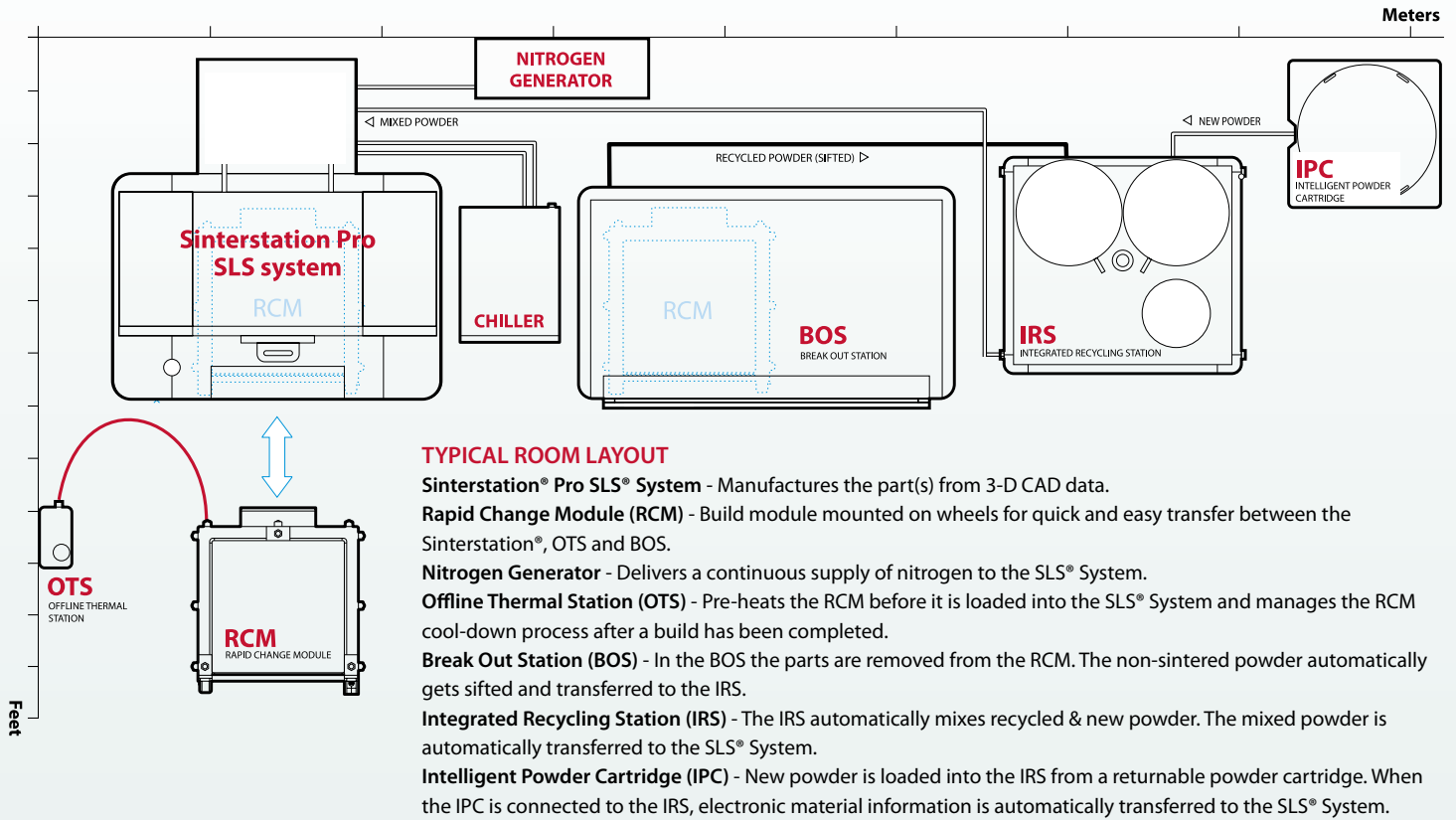


Benefits

- Directly manufacture customized short production runs.
- Go from 3-D CAD design to finished part in one step.
- Eliminate the time and expense of tooling.
- No limitation on design complexity.
- Meet demanding part specifications with advanced process control.
- Seamless process integration from raw material to finished part.
- Easily upgradeable, expandable system.



Sinterstation® Pro SLS® System



Technical Data

Mechanical Properties

Maximum Build Volume (XYZ)	
Sinterstation Pro 140	140 liters; 550 x 550 x 460 mm (approx. 22 x 22 x 18 in)
Sinterstation Pro 230	230 liters; 550 x 550 x 750 mm (approx. 22 x 22 x 30 in)
Layer Thickness (DuraForm PA/GF)	0.1 mm (0.004 in)
Powder Deposition Method	Counter rotating roller
Scanning System	Digital, including real-time monitoring and calibration
Scan Speed	10 m/sec. (approx. 400 in/sec)
Laser	70 watt CO ₂
Thermal Control Method	Intelligent Thermal Control including real-time monitoring and calibration

Data Input

CAD interface	STL
Network	Ethernet

Electrical

Sinterstation Pro SLS system	208 VAC 3-phase WYE, 50/60 Hz, 48 A/ph
Integrated Recycling Station	100-240 VAC 1-phase, 50/60 Hz, 3A
Break Out Station	200-240 VAC 1-phase, 50/60 Hz, 6A
Offline Thermal Station	200-240 VAC 1-phase, 50/60 Hz, 24A
Chiller	200-240 VAC 1-phase, 50/60 Hz, 13A

Software

	Build Setup and Sinter (included)
	SinterScan™ (optional) software provides more uniform properties in X and Y directions and improved surface finish
	RealMonitor™ (optional) software provides advanced monitoring and tracking capabilities

Warranty

	One Year
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All specifications are based on tests using 3D Systems' SLS® Systems and 3D Systems' DuraForm® series materials. For additional specifications and/or installation related information, refer to the Sinterstation® Pro SLS® System Facility Requirements Guide.



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Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

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