

# RE3IG | S100



## TAKE BACK CONTROL

The open and flexible large volume polymer SLS 3D printer  
for optimized productivity and reduced powder cost

[www.rejig.eu](http://www.rejig.eu)



## Machine Specifications

SPECIFICATION	DESCRIPTION
Build Container Volume	510 mm x 510 mm x 500 mm (20.1 in x 20.1 in x 19.7 in)
Laser Type	2 x CO <sub>2</sub> ; 2 x 100W
Laser Wavelength	10.6 μm
Scanners	2 x 3-axis Digital Scanning System
Scanning Speed	Max. 15 m/s (33 ft/s)
Layer Thickness	0.06 mm ~ 0.18 mm
Build Speed	4.7 L/h (18 mm/h)
Powder Bed Temperature	Max. 200° C
HMI	21.5 inch Full Color Touch Screen
Power Supply	380 ~ 410VAC 3/N/PE
Dimension (W x D x H)	2815 mm x 1590 mm x 2312 mm (110.8 in x 62.6 in x 91.0 in)
Recommended Installation Space	4100 mm x 4000 mm x 3400 mm (161.4 in x 157.5 in x 133.8 in)
Weight	Approx. 2500 kg (5,511 lb)
Software	Materialise Control Platform (MCP) Materialise Software Bundle <ul style="list-style-type: none"> <li>• Magics Print, Build Processor</li> <li>• Compatible with Magics 25, Streamics</li> </ul>
PC Hardware	CPU Intel Core I7 or higher Memory 16 GM RAM or higher 2GB of free disc space 1920 x 1080 resolution or higher
Materials	Evonik PA12, BASF Ultrasint® PA11, TPU, PP
Optional Auxiliary Equipment	Breakout Stations (Type 1: BOSS, Type 2: BOSA) Powder Feeder Replaceable Build Cylinder

## Applications



Aerospace



Automotive



Industry



Lifestyle



Medical



Tooling



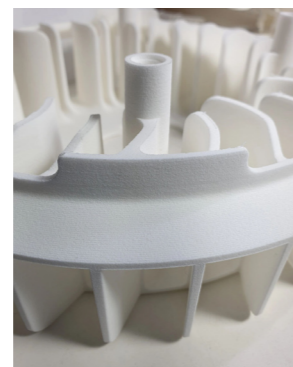
Architecture



Academic Program



Rapid prototyping



## Bluesint the secret to minimize your PA12 powder consumption

Rejig's S100 is the first and only commercially available machine to run the Materialise Bluesint printing process for PA12, allowing you to re-use your waste powder up to 100%.

The minimized fresh powder cost liberates you to shift the needle to series production.



### SUSTAINABILITY

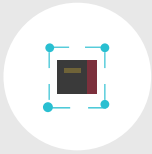
**We walk the talk...** By reducing the need for fresh powder, the S100 is the only LPBF machine not only talking about sustainability, but effectively doing something about your additive manufacturing ecological footprint.



# Rejig S100, your industrial AM Polymer Laser Sintering workhorse

The large build envelope of the dual laser S100 allows you to print large volumes at much higher re-used PA12 powder rates than other commercially available industrial polymer 3D printers. Effectively driving down powder cost, effectively driving down waste powder. Validated material settings combined with open parameters and intuitive operational design, make the S100 the most versatile SLS machine on the market.

Large volume prototyping or series production, with the S100 you are in control!



## Robust Design

- Manufacturing proof machine, annually producing tens of thousands functional parts at Materialise Manufacturing
- Reliable build repeatability
- Accurate and consistent



## High Productivity

- Large build envelope: 510 x 510 x 500 mm (20.1 x 20.1 x 19.7 in)
- Two feed systems
- Dual laser with overlapping operating areas
- Laser Scan Speed: up 15 m/s (33 ft/s)



## Easy Operation and Maintenance

- Semi-automatic calibration
- Remote diagnostic maintenance capabilities
- 21.5-inch full color touch screen HMI
- Designed for fast cleaning to guarantee unmatched printing continuity



## Printing with up to 100% Re-used Powder

- Dual laser enabling Bluesint, Materialise's process technology for PA12
- Parts that match mechanical and visual properties of conventional print processes, but with up to 100% recycled powder



## Fully Open and Flexible Printing Process

- Validated Material Packages offered: Evonik PA12, BASF Ultrasint ® PA11, TPU, PP
- Open parameters to customize own printing processes



## Industry Leading 3D Print Software Bundle

- Rejig's S100 comes with Materialise Magics Print, BP and MCP
- Compatible with Magics 25 and Streamics to support industry-scaled Additive Manufacturing