

SP801

SLM 3D Metal Printer



Large format 3D metal printing system for high performance industries.

- ◇ Simple to use, efficient printing system
- ◇ Build parts up to 800 x 800 x 600mm
- ◇ 2 or 4 1000W IPG lasers
- ◇ Bi-directional powder recoating
- ◇ Large capacity automatic powder feeding

Technical Specifications

SP801



Technical Data

General Parameters

Build Volume (L x W x D)	800 x 800 x 600mm**
Precision	±0.05mm [~]
Printing Rate	5 - 50cm ³ /hr [~]
Powder Layer Thickness	20-100µm
Focus Diameter	60 - 100µm [~]
Powder Recoating	Bi-directional
Power Supply	380-415V 3 Phase
Shielding Gas	Argon/Nitrogen
Filter System	Long life back flush filter
Substrate Heating	Up to 200°C

Optical Parameters

Laser System	2 or 4 IPG 1000W
Scanner Type	ScanLab 3 axis
Scan Speed	Up to 7.0m/s [~]

Machine Dimensions

Length x Width x Height	9548 x 4807 x 4750mm
Recommended Installation Space	10500 x 7800 x 5500mm

Data Management

Software	AmPro Print Controller with .CLI File Format
Parameter Control	Build optimisation and material specific parameter library
Data Format	STL, STP, etc.

Metal Powder Compatibility

Stainless Steels - 304L, 316L
Aluminium Alloys - AlSi10Mg, AlSi7Mg
Nickel Alloys - In625, In718, Hx Alloy
Titanium Alloys - Ti64
Tool Steels - MS1, M100
Further materials available on request

Optional Accessories

AmPro 20L & 60L Powder Silos

** Custom build heights available
[~]Material dependent