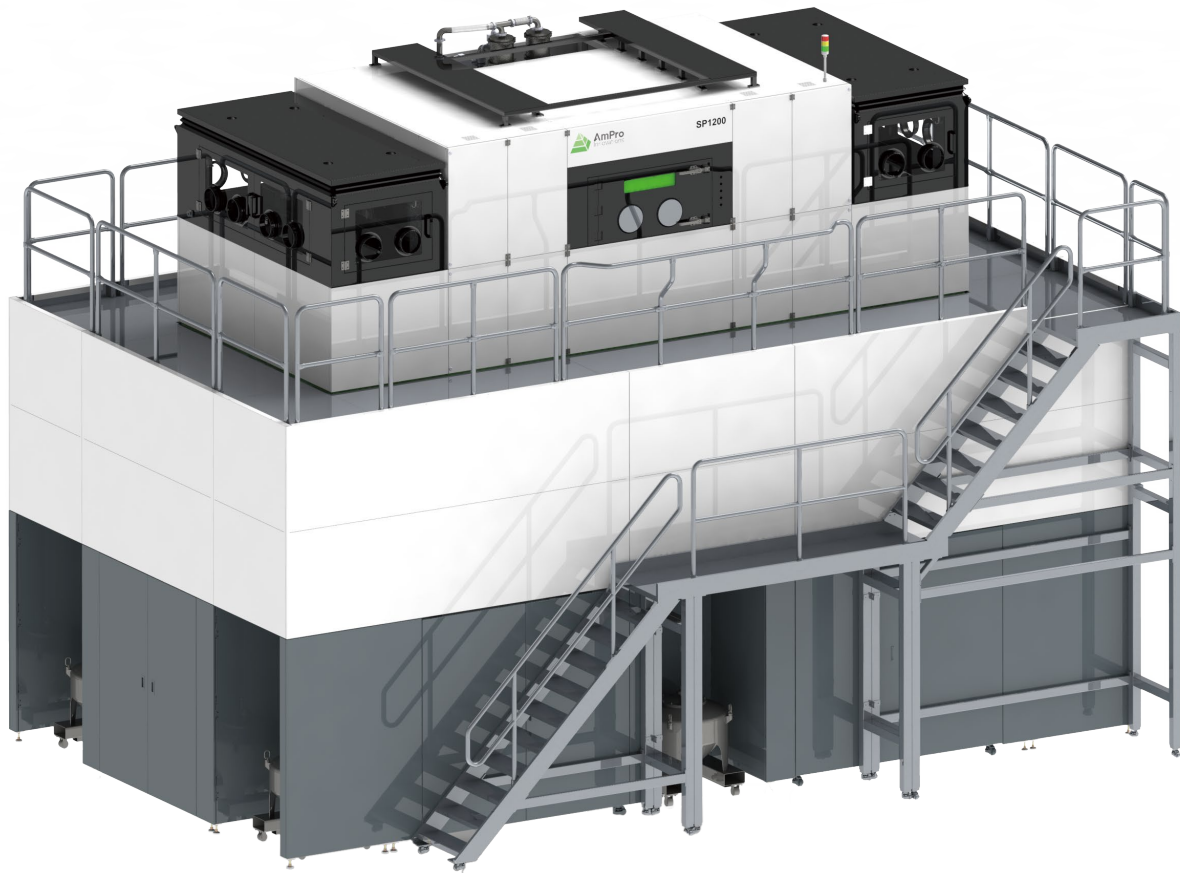


SP1200

SLM 3D Metal Printer



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

- ◇ Simple to use, efficient printing system
- ◇ Build parts up to 1200 x 600 x 1500mm
- ◇ 12 x 500W IPG lasers
- ◇ Self-cleaning filtering system
- ◇ Bi-directional powder recoating
- ◇ Large capacity automatic powder feeding
- ◇ Adjustable powder removing chamber
- ◇ Dual build chambers

Technical Specifications

SP1200



Technical Data

General Parameters

Build Volume (L x W x D)	1200 x 600 x 1500mm
Precision	±0.1mm per 100mm*
Printing Rate	100 - 300cm ³ /h*
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 self-cleaning filter
Substrate Heating	Up to 200 °C

Optical Parameters

Laser System	12 off IPG 500W
Scanner Type	ScanLab 2 axis
Scan Speed	Up to 7.0m/s*

Machine Dimensions

Length x Width x Height	8180 x 5358 x 5834mm
Recommended Installation Space	10000 x 7500 x 6800mm

Data Management

Software	Print Controller
Parameter Control	Build optimisation and material specific parameter library
Data Format	CLI or SLC

Metal Powder Compatibility

Stainless Steels - 304L, 316L
Aluminium Alloys - AlSi10Mg, AlSi7Mg
Nickel Alloys - In625, In718, Hx Alloy
Titanium Alloys - Ti6Al4V
Tool Steels - MS1, M100
Further materials available on request

Optional Accessories

AmPro 200L Powder Silos
AmPro Powder Sieve system
AmPro Powder Vacuum System
AmPro Residual Powder Removal System

*Material dependent