

# METAL PRINTER

**AMAERO**  
ADDITIVE MANUFACTURING

## SP 100



SP100071019

## FEATURES

- Simple to use, easy to maintain
- Ideal for R&D, academia, teaching and low volume production
- Build parts up to  $\varnothing 100 \times 80$ mm high
- Single 200W laser
- Removable build and powder cartridges
- Ideal for small powder volumes
- Tailored options available for your production requirements



*High quality, low cost printer for detailed, high precision parts.*

*Designed, Engineered & Built in Australia*

DISTRIBUTED BY AMAERO | [info@amaeroinc.com](mailto:info@amaeroinc.com)

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## TECHNICAL DATA

SP100071019

### GENERAL PARAMETERS

BUILD VOLUME (Ø X H)	Ø 100mm x 80mm
POWDER LAYER THICKNESS	20µm, 30µm, 40µm
DIMENSIONAL PRECISION	±0.05mm
POWDER DISPENSING	Removable powder chamber
PRINTING RATE	5 - 50 cm <sup>3</sup> / h
POWER SUPPLY	220 - 240V 10 Amp (single phase)
POWER CONSUMPTION	<2KW

### MACHINE DIMENSIONS

LENGTH X WIDTH X HEIGHT	1000mm (39in) x 800mm (31in) x 1800mm (71in)
RECOMMENDED INSTALLATION SPACE	2500mm (98in) x 2500mm (98in) x 2500mm (98in)
WEIGHT	690 Kg

### OPTICAL PARAMETERS

LASER TYPE	200W Yb Fibre Laser
INERT BUILD CHAMBER	Argon/Nitrogen (< 5 litres /min continuous)
OPTICS	CTI 2-axis
FILTER SYSTEM	Removable Filters

### METAL POWDER COMPATIBILITY

METAL POWDERS	Nickel Alloys, Stainless Steels, Tool Steels, Aluminium and Titanium
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### DATA MANAGEMENT

NETWORK	Ethernet
USER INTERFACE	7" Touch Screen
SOFTWARE	Windows 10 Pro, Magics, AmPro C

*Tailored options available for your production requirements*

*Create full system certification with our pre-powder preparation and part removal solutions.*