

3D METAL PRINTER

AMAERO
ADDITIVE MANUFACTURING

SP260



SP260090720

FEATURES

- Build volume 250 x 250 x 400mm (9.8 x 9.8 x 15.7in)
- Slide out build chamber for fast change over
- Bi-directional re-coater for faster cycles
- Variable build area for powder savings
- 2-axis scan head (3-axis optional)
- Printing within inert atmosphere
- 500W laser

Quality and productivity for high performance industries.

Compatible with Amaero SP series and most commercially available systems.

Designed & Engineered in Australia.

DISTRIBUTED BY AMAERO | info@amaeroinc.com

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TECHNICAL DATA

SP260090720

GENERAL PARAMETERS

| | |
|--------------------------|--|
| BUILD VOLUME (L X W X H) | 250mm (9.8in) x 250mm (9.8in) x 400mm (15.7in) |
| POWDER LAYER THICKNESS | 20 - 100µm |
| DIMENSIONAL PRECISION | ±0.05mm (±0.02mm Repeatability) |
| POWDER DISPENSING | Silo powder feed with bi directional re-coater |
| PRINTING RATE | 3-30 cm ³ /h |
| POWER SUPPLY | 380V-415V, 3-phase |
| POWER CONSUMPTION | < 6KW |
| SUBSTRATE PREHEATING | 0-200°C |

OPTICAL PARAMETERS

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|---------------|---|
| LASER TYPE | IPG Fiber Laser, 1 x 500W |
| SCANNER TYPE | CTI 2-axis |
| SHIELDING GAS | Argon/Nitrogen (15L/min Purge & 6L/min Sustain) |
| SCAN SPEED | Up to 7.0m/s (material dependent) |
| FILTER SYSTEM | H13 |

MACHINE DIMENSIONS

| | |
|--------------------------------|---|
| LENGTH X WIDTH X HEIGHT | 2600mm (102in) x 1350mm (53in) x 2250mm (89in) |
| WEIGHT | 1750kg (Approx.) |
| RECOMMENDED INSTALLATION SPACE | 5000mm (197 in) x 3000mm (118in) x 3000mm (118in) |

METAL POWDER COMPATIBILITY

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|---------------|---|
| METAL POWDERS | Titanium alloy, Fe, Cu, AlSi10Mg, AlSi7Mg, Hx Alloy, Ni, Co, Stainless Steel (304L, 316L) |
|---------------|---|

DATA MANAGEMENT

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|-------------------|--|
| NETWORK | Ethernet |
| FILE FORMAT | .CLI sliced file |
| SOFTWARE | AmPro Print Controller, Windows 10 Pro |
| PARAMETER CONTROL | Build optimisation and material specific parameter library |

POST SALES

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| SUPPORT | Training, through-life support, installation, commissioning calibration, certification, spares and software upgrades. |
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