ARCEMY®

ENTERPRISE EDITION

Perfect for the metal parts production facility that has medium to high manufacturing volumes but is a little tight on floor space.

AML3D®

2023-08-09 AML3D ARCEMY Enterprise_A4 AU

ARCEMY®

BY AML3D

Smart Laser Sensor

ARCEMY® offers the latest in intelligent laser sensor technology ensuring stable measurement while tracking surface regulation.

Perfecting Pyrometer

Temperatures are precisely measured with a state-of-the-art, high-speed infrared pyrometer for optimal temperature control.

Dynamic Cooler

ARCEMY®s dynamic cooler manages interpass temperatures with feedback from the high-speed pyrometer and AMLSoft™.

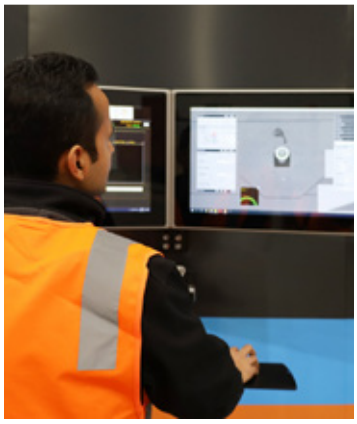
Advanced Arc

Fronius systems combined with AMLSoft™ provide ARCEMY® with the highest deposition rate possible for each certified metal wire feedstock variant without compromising the material properties.

Designed for increased productivity, ARCEMY® Enterprise Edition is perfect for the facility that has medium to high manufacturing volumes but is a little tight on floor space. For the creation of larger parts, ARCEMY® Enterprise Edition introduces a 2.5 m robot reach combined with a 750 kg positioner.

Increased reach and improved part capability is made possible with a 4600 robotic arm, allowing for a minimum print area of 500 mm width x 500 mm long and a maximum of 1.5 m wide x 1.5 m long on a fixed pedestal, without the dynamic use of a positioner. Depending on pedestal height, ARCEMY® Enterprise has the potential to achieve up to 2.5 m in part height, based upon part geometry and the 4600 vertical reach and six-degree-of-freedom capability.

ARCEMY® metal 3D printing systems feature secure remote access capability and proprietary software WAMSoft® and AMLSoft™ as standard inclusions. With an ever-developing roadmap, annual software subscriptions ensure that all ARCEMY®'s are up-to-date and utilizing the latest advancements in AML3D's patented WAM® technology.



Material Diversity

ALUMINIUM	TITANIUM	COPPER ALLOYS	NICKEL ALLOYS	STEEL	STAINLESS STEEL
• ER2319 • ER4043 • ER5183 • ER5183 (0.2%Sc) • ER5356	• Ti-6Al-4V Grade 5 • Ti-6Al-4V Grade 23 • CP-Ti	• ERCuNiAl (NAB) • 90/10 • 70/30	• FeNi36 (INVAR) • Inconel 622 • Inconel 625 • Inconel 718	• ER70 • ER80 • ER90 • ER120-G	• ER304 • ER310 • ER316LSi • ER410 • ER420 • Duplex ER2209 • Super Duplex ER2594

System Footprint	Reach	Max. Build Envelope	Weight Capacity	Axis
6.0 m w x 7.2 m l x 2.0 m h 20' w x 24' l x 6.5' h	2.5 m 98"	1.5 m x 1.5 m 59" x 59"	≤ 750 kg ≤ 1,653 lb	8 (with positioner)

Unit 4 / 136 Mooringe Avenue,
North Plympton SA 5073 Australia
info@aml3d.com | +61 8 8258 2658
www.aml3d.com

AML3D®

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