ARCEMY®

SMALL EDITION

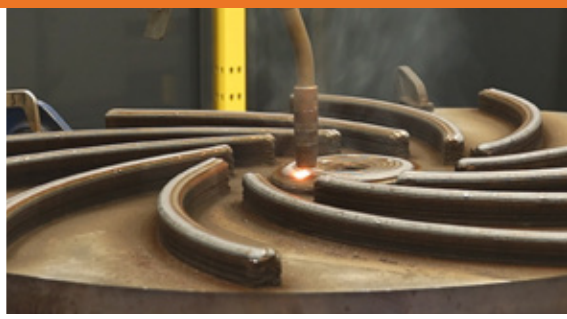
Experience faster delivery,
greater product flexibility, and
enhanced manufacturing sustainability.

AML3D®

2023-08-09 AML3D ARCEMY Small_A4 AU

ARCEMY®

BY AML3D



ARCEMY® Small Edition features the smallest footprint of the commercial ARCEMY® range.
This entry-level WAM® solution is perfect for improving manufacturing for metal parts up to 750 kg in weight.

The optimally placed 2600 robotic arm provides a 2.0 m reach and a minimum print area of 500 mm width by 500 mm long with a maximum print area of 1,200 mm wide by 1,200 mm long. Mounting for the ARCEMY® small edition may allow for up to 2.0 m in print height and is dependent on pedestal height, the specific part geometry, and the orientation of the torch weld head used in the Wire-arc Additive Manufacturing process.

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.

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.

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
4.8 m w x 4.8 m l x 2.0 m h
15.75' w x 15.75' l x 6.5' h

Reach
2.0 m
79"

Max. Build Envelope
1.2 m x 1.2 m
47" x 47"

Weight Capacity
≤ 750 kg
≤ 1,653 lb

Axis
8
(with positioner)

Unit 4 / 136 Mooringe Avenue,
North Plympton SA 5037 Australia
info@aml3d.com | +61 8 8258 2658
www.aml3d.com

Aus. Pat. 2019251514. JP 7225501. EP 3781344. WAM®: Wire Additive Manufacturing. AML3D®, WAM®, WAMSoft®, ARCEMY® are all registered trademarks of AML3D Limited.