ARCEMY®

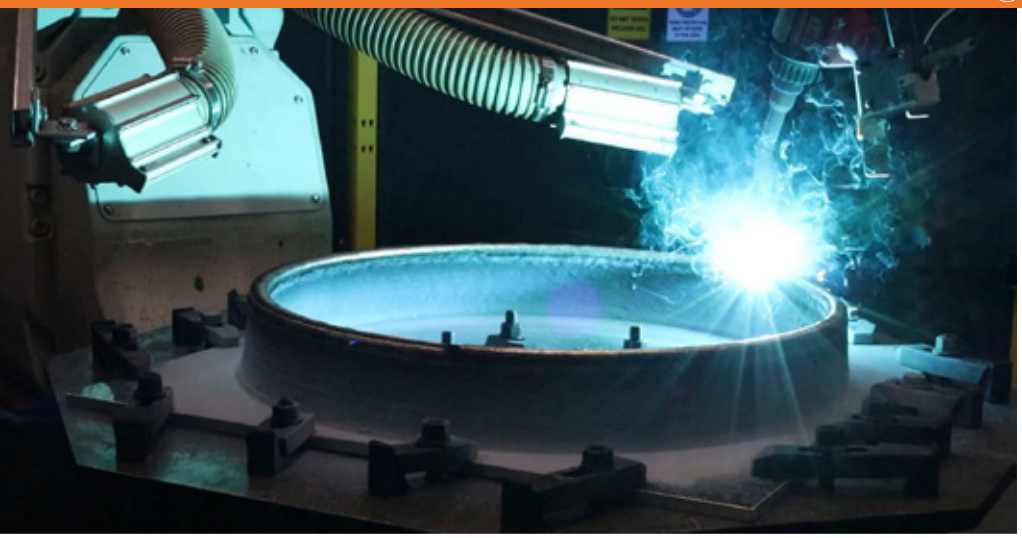
EDUCATION EDITION

Wire-arc Additive Manufacturing.
Expand student knowledge using
an innovative production technology.

AML3D®

ARCEMY®

BY AML3D



ARCEMY® Education is an entry-level Wire-arc Additive Manufacturing system is typically used for R&D and university student curriculum purposes.

Featuring the smallest footprint of the ARCEMY® range, students and research collaborators will benefit from opportunity to partner with AML3D on the development of future data collection, material development and creation of research papers.

While ARCEMY® Education can support educational institutions that have integrated Additive Manufacturing programs within their syllabus, the system is also suitable for commercial applications. Featuring a 1520 robotic arm, the system has a 1.5 m reach and a minimum print area of 500 mm width by 200 mm long with a maximum print area of 900 mm wide by 900 mm long, and is capable of producing parts up to 500 kg in weight.

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

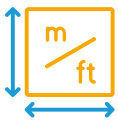
ARCEMY®s dynamic cooler manages interpass temperatures with feedback from the high-speed pyrometer and AMLSoft™.

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-6Ai-4V Grade 5 • TI-6Ai-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

1.5 m
59"

Max. Build Envelope

0.9 m x 0.9 m
35" x 35"

Weight Capacity

≤ 500 kg
≤ 1,102 lb

Axis

8
(with positioner)

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