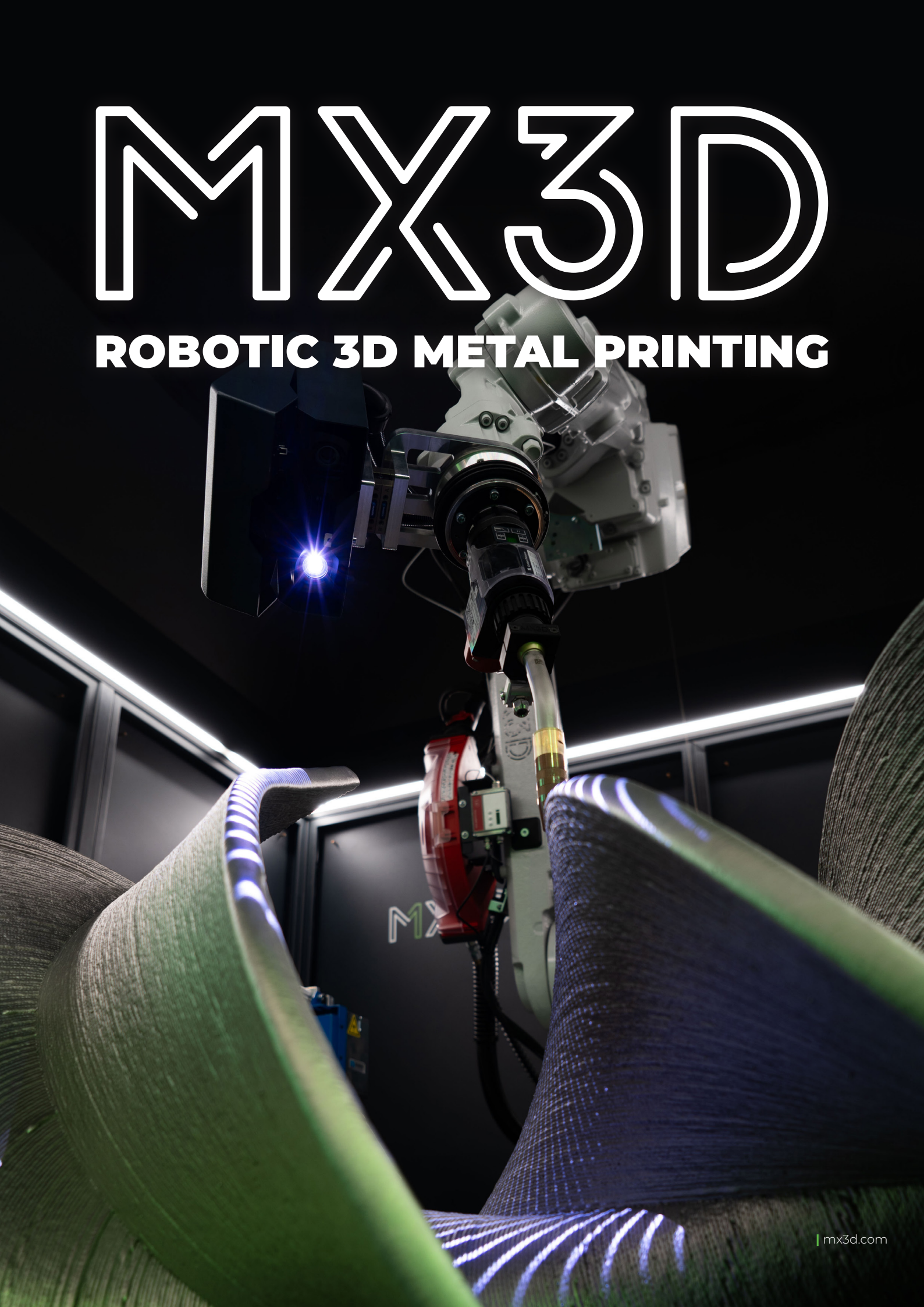
MX3D

ROBOTIC 3D METAL PRINTING



MX3D

MX3D ENABLES INDUSTRIALS TO 3D PRINT METAL BIGGER AND FASTER WITH ROBOTIC WIRE ARC ADDITIVE MANUFACTURING (WAAM)

COMPANY

- World leader in robotic 3D metal printing.
- Fully dedicated to Wire Arc Additive Manufacturing (WAAM / Arc DED) technology.
- Headquarter in Amsterdam (NL), with 3 facilities.
- Largest production facility in Europe, with 15+ robots printing metal parts.
- 30+ FTE working at MX3D, fully technology committed and customer focused.
- Delivers to BMW (automotive), Framatome (nuclear), US DoD (defense), and ESA (space).

> Both quality on-demand manufacturing and advanced turnkey solutions (M-Systems)



USPs

- High-quality prints, enabled by MX3D's propriary MetalXL technology.
- Creator of the largest global WAAM structure: the MX3D Bridge.
- Printed over 50t of metal parts for various industries.
- High-quality, high-speed deposition in 24/7 printing of large-scale metal parts.
- Certified by LRQA, DNV, Bureau Veritas and FieldNode (API-20S).
- Achieved strict certification requirements, incl. nuclear, space and automotive parts.

> Slashes lead time for large-scale metal parts (new, optimised, replacement and repair)

PRODUCTION CAPABILITIES

- 15+ robots running in Amsterdam.
- Both 6-axis and 8-axis robotic systems (ABB + KUKA).
- Both MIG/MAG and CMT welding (incl. Fronius) of any weldable alloy.
- Experts in steels, aluminiums, bronzes, and others such as inconel, copper and NiAlBr.
- Robot reach upto 3.9m.
- 2-axis turn/tilt positioner upto 5t.
- 1-axis turn positioner upto 20t.

> Printing upto Ø 5,000mm and 5,000mm (w) x 3,000mm (d) x 4,000mm (h), and more!

M METAL AM SYSTEMS

- Two turnkey WAAM ensuring advanced robotic 3D metal printing.
- Both systems configured from renowed brands and fully integrated with our advanced MetalXL technology.
- *M1 Metal AM System*, the standard turnkey solution for robotic 3D metal printing.
  Capable of printing complex parts upto 2,200mm (w) x 1,400mm (d) x 1,700mm (h) and 750kg.
  8-axis ABB robotic system + Fronius TPS 500i welding + advanced MetalXL control.
  Integrated MetalXL Control System for real-time monitoring, advanced process control and high-resolution data.
  Expenadable with add-on sensors, incl. 3D Scanner, Active Cooling, Thermal Camera, WireSwitch, etc.
- *MX Metal AM System*, your custom system solution for extreme large-scale metal printing.
  Our large-scale Metal AM System for heavy-duty industrial printing, fully tailored to customers' requests.
  Multi-part, multi-alloy, and heavy-duty industrial printing of (very) large metal parts.
  Printing with larger, extended and higher payload with higher productivity, deposition and/or multi-material welding.
  Capable of printing complex parts larger than 4,000mm and over 5 tonnes of weight.

> Two turnkey systems to print metal parts larger, faster and cheaper with higher quality



esa TAKENAKA BMW GROUP framatome ENGIE JGC EDF U.S. Department of Defense

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