

THE METAL X

An Industrial Revolution.

From the company that revolutionized 3D printing with composite carbon fiber, comes a breakthrough in metal. The Metal X greatly accelerates innovation, delivering metal parts overnight using a new technology at a fraction of the cost. Leave 20th century manufacturing in the dust and create anything from industrial replacement parts to injection molds to working prototypes.

Say Hello to ADAM.

Atomic Diffusion Additive Manufacturing

ADAM prints your part using a bound metal powder rod that transforms into a dense metal part in one easy step. Bulk sintering provides crystal growth through all axes giving your parts excellent mechanical properties in all directions.

ADAM enables the creation of unique geometries such as closed-cell honeycomb infill. Parts can be printed like the structure of bones - a closed cell inner core encased in a solid outer shell. This geometry is not possible using traditional subtractive manufacturing processes or DMLS.



Authorized Reseller

Strategic 3D Solutions, Inc.
4805 Green Road, Suite 114
Raleigh, NC 27616
919-451-5963
info@strategic3dsolutions.com
www.strategic3dsolutions.com

In-Process Inspection for Quality and Precision

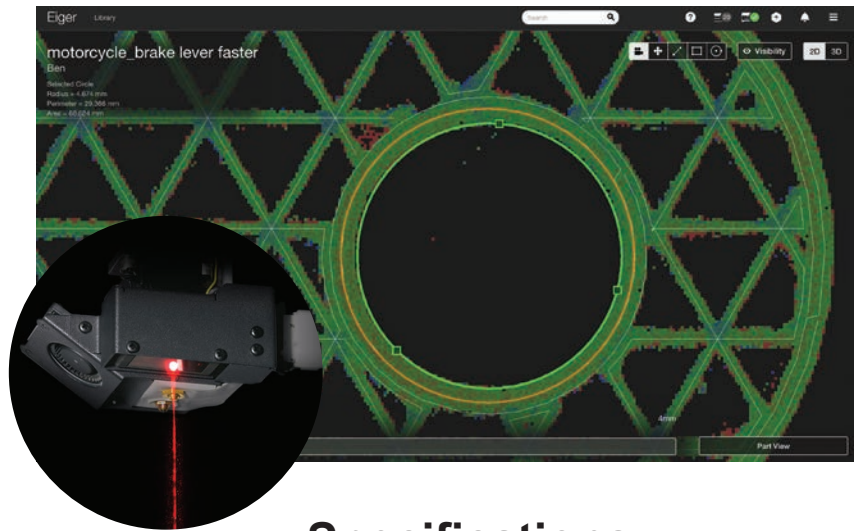
The Metal X gives you breakthrough precision in 3D printing. Scan your parts mid-print using our cloud-based Eiger software and a laser displacement sensor affixed to the print head. Ensure dimensional accuracy at the most critical tolerances at any point in your print.

High Resolution for Beautiful Parts

With increased stability from a rigid frame, smooth, silent stepper motors, and more, the Metal X has improved repeatability over the entire printing envelope and prints at 50 micron resolution for highly detailed prints.

Industrial Printing Fit For Any Workspace

Despite its large build volume, the footprint of the Metal X is relatively small, and the printer's robust frame and included cabinet suits it well for both the office and the shop.



Specifications

PRINTING

Printing Technology	Atomic Diffusion Additive Manufacturing (ADAM)
Build Size (X, Y, Z)	250mm X 220mm X 200mm
Material Compatibility	303 Stainless Steel, 17-4 Stainless Steel, In Beta Test: TI-6AL-4V Titanium, 6061 & 7075 Aluminum, A-2 & D-2 Tool Steel, & Inconel 625
Layer Resolution	50 Microns
Pause / Resume Prints	Yes

MECHANICAL

Chassis	Anodized Aluminum Unibody
Footprint [X,Y,Z]	575mm X 467mm X 1432mm
Draft Blocking Enclosure	Yes
Interface	4" Touchscreen

INSPECTION

Beam Diameter	50 microns
Z Resolution	1 micron

SOFTWARE

Software	Cloud Based ¹
Supported OS	Mac OS 10.7 Lion +, Win 7+, Linux ²
Supported Browser	Chrome 30+
Supported Files	.STL
Printer Connectivity	WiFi, Ethernet, USB Flash Drive

ALL FEATURES SUBJECT TO CHANGE WITHOUT NOTICE.

¹Contact us regarding our premised-based software option.

²Limited support.