Say Hello To ADAM

ADAM prints your part using a bound metal powder 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.

YOUR PARTS, FASTER
Cut mission-critical time out of your development cycle. With ADAM technology your parts are ready the next day instead of next month. Even make plastic parts faster by printing injection molding tooling.

PRINT WITH EASE
Go straight from CAD to your part all in a compact, clean and highly affordable platform. Print geometries that are difficult or impossible to manufacture using conventional means. Make parts lighter with triangular infill, or build complex internal cavities and structures.

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

METALS FOR EVERY JOB
Mechanical properties equivalent to cast metal mean you can say goodbye to expensive and long-lead-time tooling for low volume metal parts. Streamline your supply chain and eliminate back-catalog inventory by printing fully functional components on-demand.

THE METAL X
Metal 3D Printer
From $99,500

LEARN MORE
markforged.com/metal-x
**METAL X MATERIALS**

**Print anything in metal**

17-4 & 303 Stainless Steel

For demanding tooling and fixturing applications, Stainless Steel is the perfect blend of high strength, corrosion resistance and hardness. It’s used widely in the aerospace, medical and petroleum industries.

A-2 & D-2 Tool Steel

A-2 Tool Steel is air-hardened making it a great solution for injection molding tooling and dies. The high carbon and chromium content of D-2 Tool Steel provides great hardness and abrasion resistance – it’s often used for cutting tools.

6061 & 7075 Aluminum

Aluminum combines good machinability, strength, and weldability. It’s the go-to solution for manufacturing applications such as jigs, jaws, tools and fixtures.

Titanium Ti-6Al-4V

Ideal for lightweight applications, Titanium has both high tensile strength and fatigue resistance. This biocompatible material is widely used in medical applications such as orthopedic joint replacements.

**METAL X SPECIFICATIONS**

**BUILD VOLUME**

250mm x 220mm x 200mm

**FOOTPRINT**

575mm x 467mm x 1432mm

**MATERIALS**

17-4 Stainless Steel  
303 Stainless Steel  
6061 Aluminum [Beta]  
7075 Aluminum [Beta]  
A-2 Tool Steel [Beta]  
D-2 Tool Steel [Beta]  
IN Alloy [Inconel] 625 [Beta]  
Titanium Ti-6Al-4V [Beta]

**INSPECTION PARAMETERS**

50 micron beam diameter  
1 micron Z resolution

**Z LAYER RESOLUTION**

50 micron

**SOFTWARE**

Single Sign-On  
Two-Factor Authentication  
Organization Admin Portal  
Early Access to New Features

**SOFTWARE DELIVERY**

Cloud-based  
Local Storage  
Fully On-premise*

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**WEBSITE** markforged.com

*All features subject to change without notice.  
*contact us for more information

**THE METAL X**

Print strong metal parts

Markforged