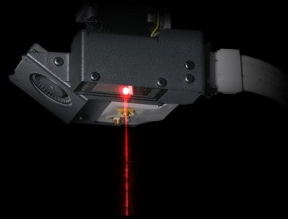


THE METAL X

A Breakthrough in Metal 3D Printing

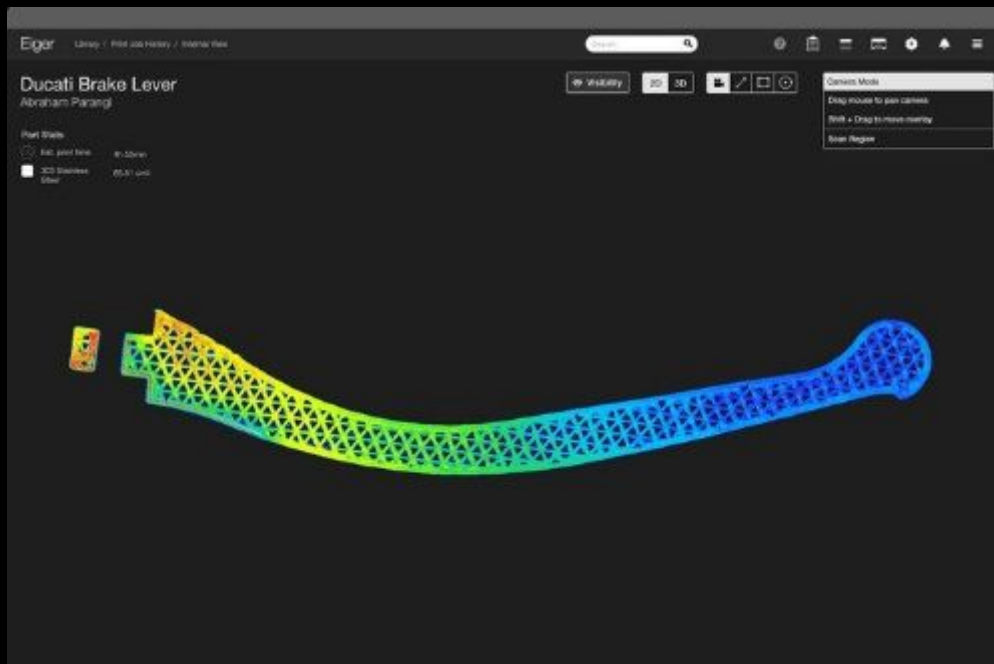
From the company that revolutionized 3D printing with composite carbon fiber, comes a leap in additive metal manufacturing. The Metal X greatly accelerates innovation, delivering metal parts overnight using a new technology at a fraction of the cost. Leave 20th century manufacturing in the dust and create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

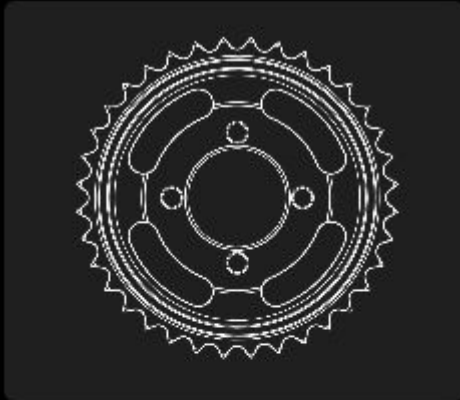


MARKFORGED

ADAM

The intersection of 3D printing and metal injection molding, ADAM (atomic diffusion additive manufacturing) is an all new way to build metal parts.





DESIGN

CAD your part, upload the STL, and select from a wide range of metals. The Eiger software does the rest making printing the right part easy.



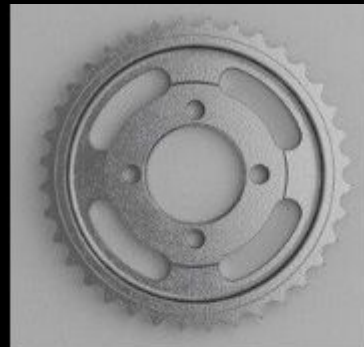
GREEN PART

Just like metal injection molding, as-printed parts are “green” and scaled up to account for shrinkage during sintering. In this state the parts can be easily polished by hand.



SINTER

Green Parts go through a washing stage to remove some of the binder. They are then sintered in a furnace and the metal powder fuses into solid metal.



FINAL PART

Pure metal and up to 99.7% dense, the final parts are ready for use. They can be processed and treated just like any other metal parts.

MATERIALS

STAINLESS STEEL

17-4 Stainless Steel

316L Stainless Steel

INCONEL

IN Alloy 625 (Beta)

TITANIUM

Ti-6Al-4V BETA

ALUMINUM

6061 Aluminum BETA

7075 Aluminum BETA

TOOL STEEL

A-2 Tool Steel BETA

D-2 Tool Steel BETA

SOFTWARE

SECURITY

Single Sign-On

Two-Factor Authentication

SOFTWARE DELIVERY

Cloud-Based

Local Storage

Fully On-Premise OPTIONAL

PRODUCTIVITY

Printer Fleet Management

Organization Admin Portal

EARLY-ACCESS UPDATES

Early Access to New Design

Features & Printing Capabilities

LASER MEASUREMENT ACCURACY

1 micron

PRINTER

BUILD VOLUME

250 mm x 220 mm x 200 mm

FOOTPRINT

575 mm x 467 mm x 1432 mm

Z LAYER RESOLUTION

50 micron

LASER SCANNING RESOLUTION

50 micron

LASER MEASUREMENT ACCURACY

1 micron

QUALITY ASSURANCE

IN-PROCESS-INSPECTION

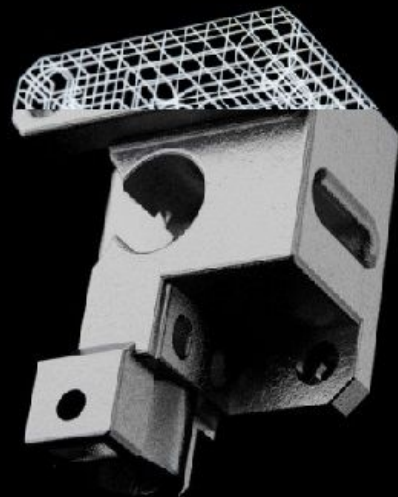
The Metal X gives you breakthrough quality and precision in printing. Scan your parts mid-print using our cloud-based Eiger software and a laser sensor affixed to the print head. Ensure dimensional accuracy at the most critical tolerances at any point in your print.

1 μm

Measurement
Accuracy

50 μm

Scanning
Resolution



Our business is your success!



Ing. Dietmar Resch Elektronik
Wagnastraße 93
A-8435 Wagna
Tel.: +43 664/3567856
Mail: 3D@antennenshop.at