

5 UNIQUE FEATURES

in Metal 3D Printing

Desktop Metal: Standout Features

There are so many great features that push Desktop Metal 3D printing systems beyond the current limits of other products on the market. These are just five of the many characteristics that make the Studio System™ and the Production System™ standout.

#1

Affordable Per-Part Costs

Both the Studio System and the Production System offer cost-effective metal 3D printing for engineering teams.

10x

The Studio System is up to 10x cheaper than comparable laser-based systems

Purchase and Subscription pricing options

20x

The Production System has up to 20x lower cost than today's metal 3D printing systems

Traditionally, current metal 3D printing is too expensive for prototyping and not cost-effective enough for mass production. But the Studio System offers purchase and subscription pricing options that are cheaper than comparable laser-based systems, and the Production System uses low-cost MIM powder, high throughput and simple post-processing to deliver competitive per-part costs.

Fast and Efficient Production

#2

Compared to other metal 3D printers in the industry, Desktop Metal systems are the fastest way to manufacture complex metal parts.

Studio System

- Speeds up to 16 cm cubed/hour
- Automated and accessible with web-based software
- Change materials in under a minute

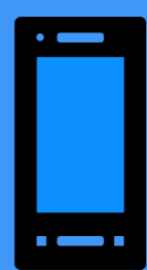
Production System

- 100x faster than laser-based systems
- Speeds up to 8200 cm cubed/hour
- Zero tooling needed

#3

Advanced Technologies

Desktop Metal is reinventing the way engineering and manufacturing teams produce parts with state-of-the-art technology.



The Studio System boasts a software-controlled workflow with no special facilities or 3rd party equipment required to operate. Between the accessibility, the safe extruding of bound metal rods and thermal controlled sintering furnace, it makes for the perfect, office-friendly metal 3D printer.



The Production System uses breakthrough Single Pass Jetting (SPJ) to build metal parts in a matter of minutes instead of hours. With bi-directional movement, 32,000+ jets with powder spreaders and high density nesting, the Production System is ideal for high-performance metal parts at high volumes.

Vast Material Options

#4

Desktop Metal systems are designed to use the same MIM (Metal Injection Molding) materials to open up an ecosystem of low-cost, high-quality alloys with a mature supply chain and well-studied process controls.

200+

Compatible alloys from steels & aluminum to super-alloys & titanium

Up to 80% cheaper material costs than other cost-prohibitive metal powders

30+

Materials available for core and development

2 Alloy Steels | 4 Aluminums | 1 Carbide | 2 Coppers | 2 Heavy Alloys | 2 Low Expansions | 4 Super Alloys | 12 Stainless Steels | 1 Magnetics | 2 High Performance Steels | 2 Titaniums | 5 Tool Steels | 1 Other

#5

Countless Applications

We believe the most important skill to have for designing in the future is 3D printing from CAD.



- Rapid Prototyping
- Manufacturing Tools
- Production Parts
- And MORE!