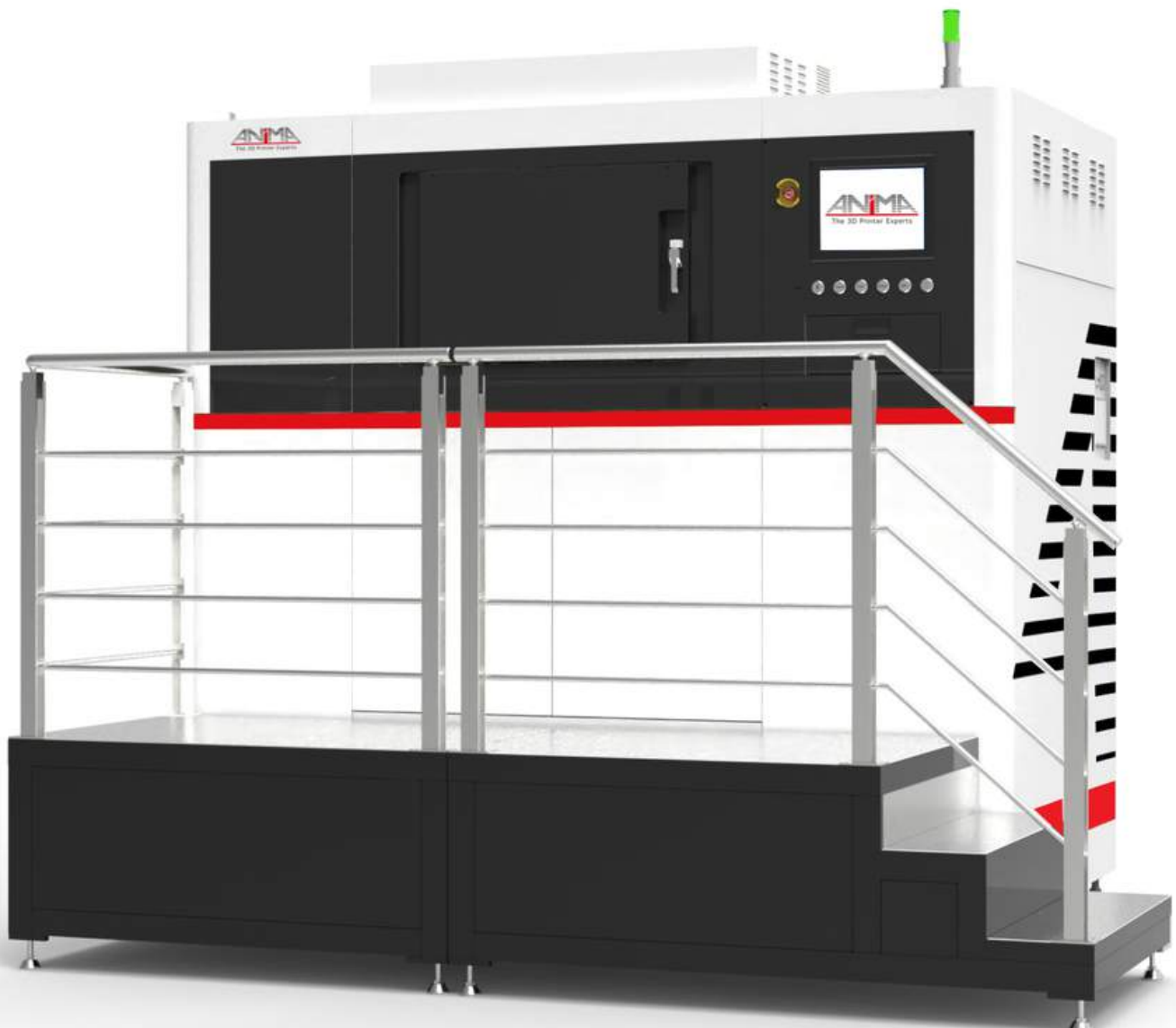


ANiMA A4

Industrial Additive Manufacturing Solution

Optimized for European Production Environments.
Developed by **experienced European engineers in metal additive manufacturing**, tailored to European industrial needs.



ANiMA A4

A4 delivers large, complex industrial parts with precision.

A large-scale industrial metal 3D printer developed for the **European metal additive manufacturing ecosystem** and aligned with **European industrial production standards**. The machine is suitable for the custom manufacturing of functional parts in single- or small-batch production and features a large building platform.



Industry Applications

Defense

Aerospace

Automotive

Industrial Manufacturing

Service Bureaus

Tooling Production

TOP QUALITY COMPONENTS

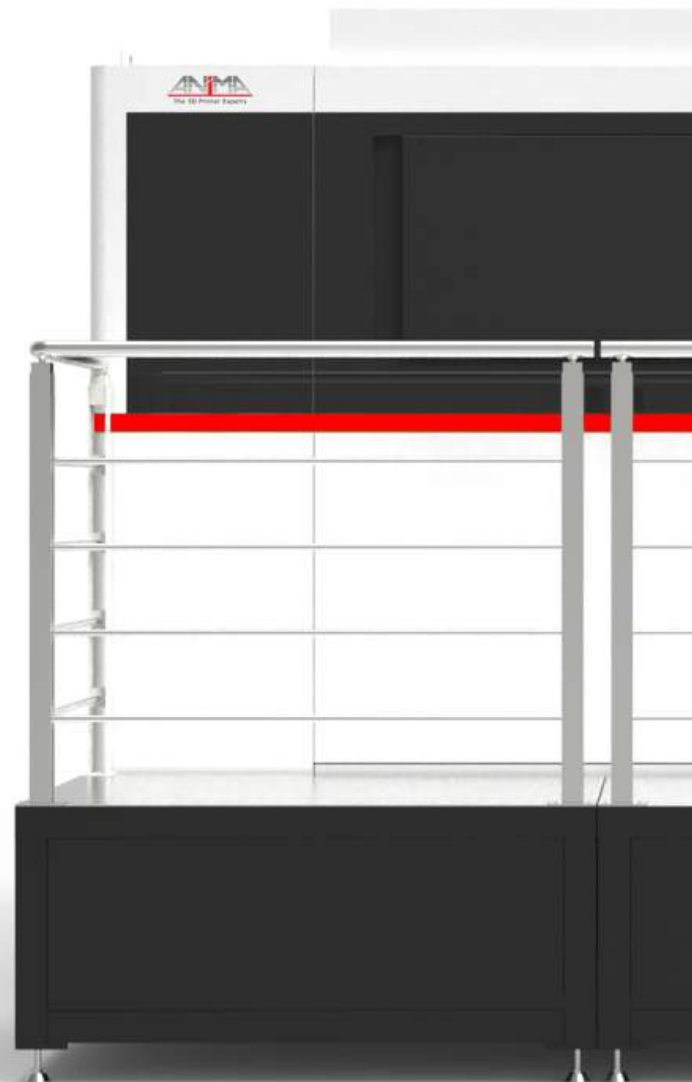
SIEMENS



OMRON



Panasonic
INDUSTRY



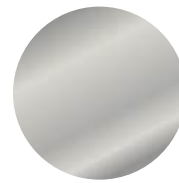
The integration of the AFS metal powder circulation unit enhances operational efficiency by automatically sieving and reusing any unused powder. This minimizes manual intervention and reduces material exposure, contributing to a safer and more organized working environment.

AFS Simplifies Powder Handling by Automating Processes

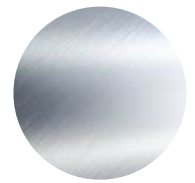
Materials



Stainless Steels



Nickel Alloys



Aluminum Alloys



Cobalt Chromium Alloys



Titanium Alloys

Components manufactured on the A4 exhibit **high density** and **strong mechanical properties**, perfect for users seeking to produce exceptionally large, highly detailed components with **intricate geometric structures**.

Well-suited for industries such as defense, aerospace and automotive manufacturing, as well as for the production of industrial tooling.





A4 Technical Advantages

High Accuracy: Achieves up to 0.05mm, ensuring precise manufacturing.

Precision: ±0.01mm print head repeatability.

Efficient Optical Scanning: High-speed scanning galvanometer with adjustable beam diameter (0.04-0.15mm) enhances productivity.

Open Parameters - Open Materials: More than 200 parameters are available to users.

Open Software: GCode editing and custom parameters.

Speed & Safety: Integrated explosion-proof vacuum, sieving system, and drying oven for quick, secure testing.

Efficiency: 50.000h filter life, transfer chamber.

Reliable & Robust: Top - tier components, proven in 800+ SLM installations globally. Built for 24/7 production.

Key ANiMA A4 Technical Specifications



| | |
|--------------------------|------------------------------------------------------------------------------------------|
| Build Volume | 420mm (X) x 420mm (Y) x 500mm (Z) |
| Wavelength | 1064nm |
| Machine Size (W x D x H) | 2.65m x 1.45m x 2.70m |
| Laser Power | Fiber 2x 500W/3x 500W/4x 500W |
| Components | IPG or Max Laser, Scanlab Galvos, Siemens PLCs, Panasonic automation, Omron sensors etc. |
| Recoating | Bi-directional |
| Layer Thickness | 0.02mm - 0.15mm |
| Materials | Aluminum, Stainless Steel, Die Steel, Titanium, CoCr, Copper, Nickel Alloys |
| Software | 3D Layer Ultimate Materialize Magics (optional) |



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