ENAVISION 120 & 250
METAL ADDITIVE MANUFACTURING MACHINE

ERMAKSAN
METAL FABRICATING MACHINERY

ENAVISION 120

- **Production Volume** (MM3): Ø120x120
- **Adjustable Layer Height** 20-100 µm (0,0007-0,004 inch)
- **Laser Type** Fiber Laser
- **Laser Power** 150W (300W Optional)
- **Scanning Speed** Up to 11 m/s (433,07 inch)
- **Scanning System** High Speed Scan Head F-Theta Lens
- **Dimension (LxWxH)** 1200x900x1980 (47,25x148,15x79,9 inch)
- **Electrical Connection (Voltage)** 230 V, 1 PH, 50/60 Hz

ENAVISION 250

-**Production Volume** (250x250x300 (9,8x9,8x11,8 inch)
- **Adjustable Layer Height** 20-100 µm (0,0007-0,004 inch)
- **Laser Type** Fiber Laser
- **Laser Power** 500W (1 kW Optional)
- **Scanning Speed** Up to 11 m/s (433,07 inch)
- **Scanning System** 3D Dynamic Focused Scanning System
- **Dimension (LxWxH)** 2700x1440x2030 (106,3x56,7x79,9 inch)
- **Electrical Connection (Voltage)** 400 V, 3 PH, 50/60 Hz

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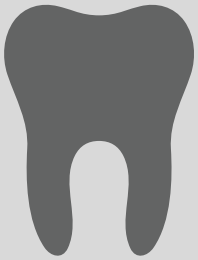
ENAVISION 120 & 250
METAL ADDITIVE MANUFACTURING MACHINE APPLICATIONS

ERMAKSAN
METAL FABRICATING MACHINERY



Dental

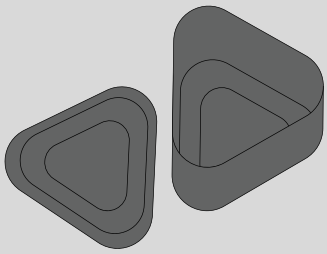
With the powder bed fusion selective laser melting method, using CoCr metal powders, personalized patient dental elements and partial production, as well as abutments and screws can be produced by using titanium powders. Thus, the production of bridge prosthesis, removable partial prosthesis and implants can be used efficiently with high precision.

Defense & Aviation

Easy production of complex parts customized for the defense, aerospace and aerospace industries, as well as light and durable parts with alloys such as Titanium, Cobalt-Chrome and Nickel. A reduction in the fuel consumption of aircraft by producing lighter and more robust parts.

Medical

Additive manufacturing allows maximum design flexibility, making it possible to implement innovative functions. Customized patient needs in the medical sector are revolutionizing orthopedics and implant areas, with the ability to directly produce biocompatible lightweight materials, dental implants, dental molds and body-compatible prosthetic parts with CoCrMo and Ti6Al4V metal powders.



Mold Making

Part manufacturing with additive manufacturing offers a wide range of solutions for industries. Metal parts can be produced without the need for traditional processing methods and without limitation in geometry. The first use of metal additive manufacturing was in high-end technology industries such as space and aerospace applications.

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