

# ENAVISION

250

## Design Optimization

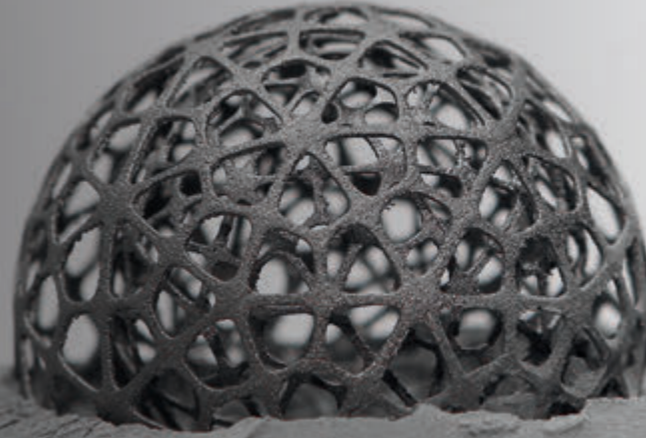
Geometry and weight optimization on the part can be obtained without any change of the mechanical specifications of the products.

## Low Production Cost

Low unit cost helps saving to produce several parts on the same base-plate.

## User-Friendly Interface

Thanks to the ease-of-use interface, the user can operate the machine correctly and keep the process under control.



## Research Centers

Many companies submit their projects to the universities and research institutions due to their Theoretical vs Practical experiences. Additive manufacturing technologies have an important place in the triangle of education, research and application in material and process development.



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**ENAVISION**

3D METAL PRINTER



**ERMAKSANADDITIVE**  
THINK 3D

# ENAVISION

## Technical Specification

	120	165
Production Volume (mm <sup>3</sup> )	Ø120x120	Ø165x200
Adjustable Layer Height	20-100 µm (0,0007-0,004 inch)	
Laser Type	Fiber Laser	
Laser Power	300W (500W Optional)	
Scanning Speed	0-11 m/s (36 ft/s)	
Scanning System	High Speed Scanning Head F-Theta Lens	
Dimension (LxWxH)	1200x900x1980 (47,25x35,43x77,95 inch)	14001420x1980 (55,11x55,91x77,95 inch)
Electrical Connestion (Voltage)	230 V, 1 PH, 50/60 Hz	
Electrical Connection (Current)	25 A	25 A / 32 A
Inert Gas	Argon   Nitrogen	
O <sub>2</sub> Level	<100 ppm	100-200 ppm
Vacuum Pump	Yes	Optional
Operating System	Windows 10 / X	
Network	Ethernet / Ethercat / USB	
Build Plate Preheat	With Laser	up to 200 °C Optional

## Control Unit

Control System	Beckhoff Industrial PC
Processor	Intel i5-i7
Operating System	Windows 10   X
HMI	15,6 inch, Touch Operated

## Software

Data Preparation Software	Materilliasse Magics and Modules
Data Processing Software	Ermaksan Build Processor
Supported Files Types	STL, 3MF, AMF, DAE, FBX, VRML...



## Eco-Friendly

A real eco-friendly product with low energy consumption and low waste of powder.

## Ease of Use

ENAVISION 120 has an intuitive man-machine interface that enables ease of use since the first start.

## Saving With High ROI

ENAVISION will make you more competitive with high ROI and operating cost. All ENAVISION models help investors to make saving in all industries.

[www.ermaksanadditive.com](http://www.ermaksanadditive.com)

## Dental



The production of dental parts can be produced more easy and faster than conventional production. Personalized dental elements, bridges, prosthesis and implants can be manufactured with all ENAVISION models.

## Medical



Against to the conventional manufacturing methods, the additive manufacturing allows maximum design flexibility. With CoCrMo and Ti6Al4V metal powder, biocompatible and light weight prosthesis can be manufactured.

