ENAVISION

250

Design Optimization

Geometry and weight optimization can be obtained without changes to mechanical specifications.

Low Production Cost

Multiple differnt parts can be produced at one time providing lower production costs.

Friendly User Interface

Thanks to the easy to use interface, the machine operator easily control the machine priinting process.

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 into material and process development.

ERMAKUSA
INNOVATIVE TECHNOLOGIES

2860 River Road, Suite: 145
Des Plaines, Illinois, 60018
sales@ermakusa.com
+1 847-640-7765
www.ermakusa.com

ERMAKSANADDITIVE
THINK 3D

www.ermaksanadditive.com

ENAVISION

3D METAL PRINTER

ERMAKSANADDITIVE
THINK 3D

ENAVISION

Technical Specification

	120	165
Production Volume (mm^3)	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	Hight Speed Scanning Head F-Theta Lens	
Dimension (LxWxH)	1200x900x1980 (47,25x35,43x77,95 inch)	14001420x1980 (55,11x55,91x77,95 inch)
Electrical Connection (Voltage)	230 V, 1 PH, 50/60 Hz	
Electrical Connection (Current)	25 A	25 A / 32 A
Inert Gas	Argon | Nitrogen	
0_2 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	Materilliase Magics and Modules
Data Processing Software	Ermaksan Build Processor
Supported Files Types	STL, 3MF, AMF, DAE, FBX, VRML...

Eco-Friendly

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

Ease of Use

ENAVISION machines have an intuitive Human Machine Interface (HMI) that enables ease of use.

Saving With High ROI

ENAVISION will make you more competitive with high ROI and low operating cost.

www.ermaksanadditive.com

Dental

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

Medical

Additive Manufacturing allows for maximum design flexibility, unlike conventional manufacturing methods. With CoCrMo and Ti6Al4V metal powder, biocompatible and light weight prosthesis can be easily manufactured.