



**Professional 3D Printers**



**THE FIRST “FFF” SYSTEM  
FOR INDUSTRIAL PRODUCTION**

**GIMAX3D SRL—VIA SIENA 9—59013—MONTEMURLO—PRATO—ITALY**

**[www.gimax3d.com](http://www.gimax3d.com)—[info@gimax3d.com](mailto:info@gimax3d.com)— +39 (0) 574 985270**

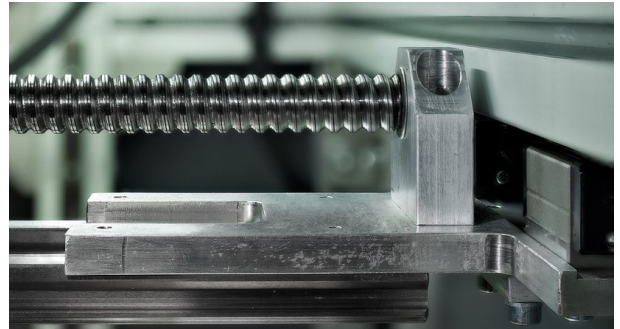
# TECHNICAL SPECIFICATION

- **BRUSHLESS MOTORS WITH ABSOLUTE ENCODER**

Motion & control system with controlled motors for strength and precision that ensure perfect positioning during printing. With this particular solution are also deleted all the mechanical switches of "zero homing" since the positions are in memory at any condition (even when the machine is off)

- **RIGID MOVEMENT OF THE AXES "X/Y/Z"  
ON BALL SCREWS  
(WITHOUT BELTS AND PULLEYS)**

The absence of pulleys and belts on the axis movement ensures accuracy and absolute repeatability avoiding intrinsic positioning games in handling belts and pulleys



- **PRECISION AT 1/100 MM.**
- **100% REPEATABILITY OF THE PIECES**

- **DOUBLE EXTRUDER LIQUID COOLED**

The double Extrusion head, offering the ability to print in two filaments a single piece or to depose soluble support material, is completely cooled with a special liquid that allows heads to be working 24 hours without suffering the high melting and chamber heat

- **DIRECT PC OR USB PRINTING**
- **PC INTEGRATED WITH TOUCH SCREEN 10"**
- **INTEGRATED ETHERNET SYSTEM**

Thanks to the integrated Pc and Ethernet tab printer can be handled directly from your Pc. It is also given The option to download Logs for single piece thus enabling the validation of the molded part.



- **MODULAR CNC ELECTRONIC SYSTEM (MCES)**
- **PRINTING AREA 400X400X400**
- **EXTRUDERS 480°C / 896°F**

To print super polymers

- **HEATED CHAMBER AT 120°C / 248°F**
- **HEATED BED TO 140°C / 284°F**

The warm environment is totally insulated and heated with a special system that allows printing of super polymers. The plate evenly heated to very high temperatures guarantees the adhesion of materials on the plate itself.

- **EXTRACTABLE BED**
- **INTEGRATED SYSTEM OF FILAMENT DETECTOR**

Optical system of filament control the machine detects its absence during printing and position itself in pause allowing the replacement of the same

- **FILAMENT 1,75 MM.**
- **SOFTWARE SYMPLIFY3D**
- **CE CERTIFICATION**
- **MADE IN ITALY**

## **MATERIALS**

**PEEK, CARBONPEEK, PACARBON, PPCARBON,  
PPS, ABS, ASA, HIPS, PCABS AND OTHER PLASTIC**



<b>PERFORMANCE</b>	
CATEGORY	PROFESSIONAL - INDUSTRIAL
TECHNOLOGY	EXTRUSION (FFF)
FILAMENT DIAMETER	1.75 MM.
MAX. BUILD SIZE	400 X 400 X 400
MAX BUILD VOLUME	64 L
MAX PRINT SPEED	120 MM/S
MIN. LAYER THICKNESS	0.05 MM
MAX EXTRUDER TEMPERATURE	480°C / 896°F
MAX PRINT BED TEMPERATURE	140°C / 284°F
MAX BUILD CHAMBER TEMPERATURE	120°C / 248°F
XYZ ACCURACY	0.01 MM
HEATED PRINT BED	YES
CLOSED FRAME	YES
DUAL EXTRUDER	YES
TOUCHSCREEN	YES
USB	YES
ETHERNET	YES
OS COMPATIBILITY	MICROSOFT WINDOWS
GENERIC MATERIALS	PEEK, CARBONPEEK, ABS,, PCABS, PPS, PACARBON, OTHER PLASTIC
<b>HARDWARE</b>	
DIMENSION	1000X1000X1750
WEIGHT	370 KG.
NOZZLE DIAMETER(S)	0.2 TO 0.8 MM
POWER INPUT	240V AC 50/60 HZ

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