



GEOMARS

Innovation Platform for Turning Ideas to Real Products

Geomars is a leading startup in designing and manufacturing 3D printers, especially in the construction industry and producing environmentally friendly cement and ceramic materials.

Using professional knowledge and modern technologies, Geomars provides engineering services based on the technical expertise of its members.

In the Geomars project, civil engineers, robotics experts, and experts in advanced materials worked together to develop new technologies in demand by the world's industries.

3D PRINTERS



Industrial 3D Printer

Printable Size	50x50x50 cm
Printer dimensions	100x90x90 cm
Printer weight	80 kg
Printer accuracy	0.01 mm
Nozzle diameter	1, 2, 3, 4 mm
Printer Speed	up to 60 mm/s

CAPABILITIES

- Laser cutting head, FDM extruder head, ceramic extruder head/ 7-inch touch monitor with network connection/ Easy to work UI/ Controllable by mobile phone/ Capable of converting files in STL format to G-Code which is readable for printer/ Visualizer to display parts on the screen during printing/ Capable of connecting and exchanging cartridges up to two liters for ceramics/ Printing materials with high fluidity/ Capable of installing camera system to monitor the process/ Cartridge replacement warning system/ Soft starter system/ Electricity Disconnection detection system / Automatic print table level adjustment system.

Semi-industrial 3D Printer

Printable Size	40x40x30 cm
Printer dimensions	70x60x60 cm
Printer weight	40 kg
Printer accuracy	0.01 mm
Nozzle diameter	1, 2, 3, 4 mm
Printer Speed	up to 60 mm/s

CAPABILITIES

- Ceramic extruder head / FDM extruder head
- 3.5-inch network touch monitor with an easy-to-use interface
- Connect and exchange cartridges up to one liter volume for ceramics
- Print materials with high fluidity
- Capable of installing camera system to monitor the process
- Cartridge replacement warning system
- Soft Starter system
- Power failure detection system
- Automatic print table level adjustment system

Home 3D Printer

Printable Size	30x20x20 cm
Printer dimensions	50x40x40 cm
Printer weight	20 kg
Printer accuracy	0.01 mm
Nozzle diameter	1, 2 mm
Printer Speed	up to 50 mm/s

CAPABILITIES

- Ceramic extruder head
- 3.5-inch network touch monitor with an easy-to-use interface
- Connect and exchange cartridges up to half a liter volume for ceramics
- Capable of printing materials with high fluidity
- Cartridge replacement warning system
- Power failure detection system
- Automatic print table level adjustment system

ELEMENTS AND MATERIALS



CLAY >

- Baking temperature of 900 °C •
- Expiration of three to six months •
- Density 2.5 g/cm³ •

Available to order ready-made cartridges •



< BLACK PASTE

- Baking temperature of 1040 °C
- Expiration of three to six months
- Density 2.2 g/cm³
- Available to order ready-made cartridges



WHITE PASTE >

- Baking temperature of 1040 °C •
- Expiration of three to six months •
- Density 2.0 g/cm³ •

Available to order ready-made cartridges •



< COLORED PASTE

- Baking temperature of 1100 °C
- Expiration of three to six months
- Density 2.2g/cm³
- Available to order ready-made cartridges



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