



Vektor3D Systems LLP

One Stop 3D Printing Solution

PROTOMAKE 1200

Large Format Industrial FDM 3D Printer

Built for Large-Scale Prototyping and
Manufacturing Applications.



Product Overview

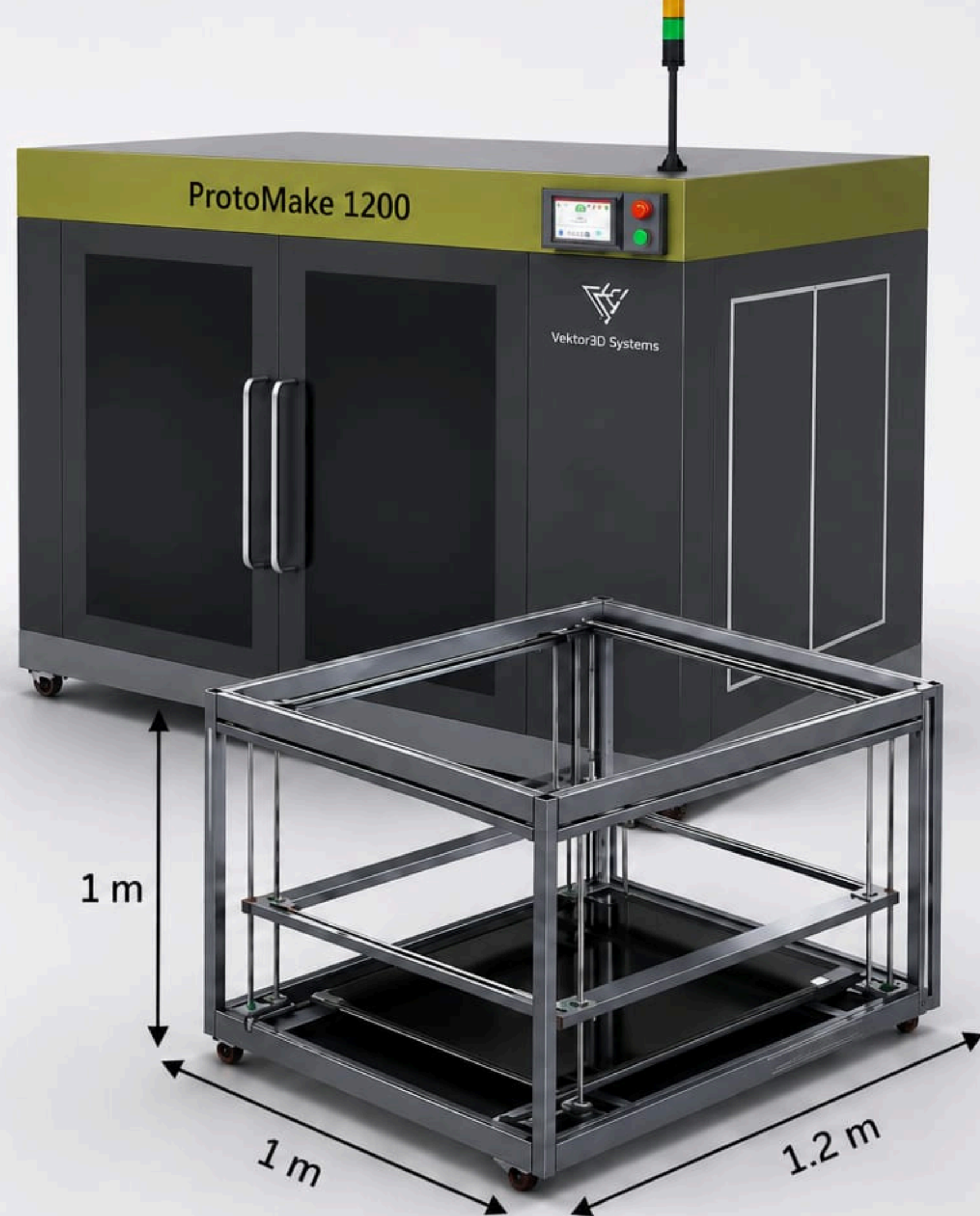
ProtoMaker 1200 is a large-format industrial FDM 3D printer designed for manufacturing large prototypes, functional parts, tooling, and production components.

✓ Large Build Volume

✓ High Material Compatibility

✓ Industrial-Grade Performance

✓ Reliable Production



Sr. No	Technical Specification	
1	Technology	FFF,FDM
2	Extruder Type	Single
3	Build Volume	1200 x 1000 x 1000 mm
4	Layer Resolution	50 - 400 microns
5	XY axis accuracy	10 microns
6	XY Gantry Motion	Linear Guided
7	Z axis accuracy	5 microns
8	Z axis motion	16 mm Ball Screw
9	Printing Speed	30-150 mm/s
10	maximum build plate temperature	100 c
11	Maximum nozzle temperature	270 Degree (Optional 350 degree)
12	nozzle diameter supports	0.4mm, 0.6mm, 0.8mm, 1mm, 1.2mm
13	Connectivity	USB Port, SD Card and WIFI
14	Build Materials	PLA/ ABS / PC / PVA / PETG etc
15	LCD support	yes
16	Print monitoring system	yes
17	Noise Level	< 55 db
18	storage temperature	8 c to 30 c
Add On Optional		
19	Nozzle Count	Dual Nozzle
20	Heated Chamber	Yes, upto 60 degree chamber temperature
21	monitoring	Live camera
Software		
22	Slicer	Prusa Slicer / Super Slicer
23	operating system	Linux, Mac OS X , Windows
24	Supported files	STL / OBJ / 3MF / X3D , GIF , JPG , PNG
Printer Controller		
25	user interface	3.2- inch touch screen
26	Network	Wifi
27	Screen Resolution	1024 * 600
28	Memory	1GB or higher
29	On board flash memory	8gb or more
30	Ports	USB 2.0, SD card
With the Package		
31	Set of filament	2 Kg PLA and 2 Kg ABS (Total 4 kg)
32	Set of Nozzles	0.4mm, 0.6mm, 0.8mm
33	Set of Tools	Allen Keys, Spanner, Zip locks and Plier
Other Terms and Conditions		
36	Installation Charges	Mini. 10,000 or as per actuals
37	Warranty	12 months (free of cost)

Additional Information

ENCLOSURE	1) Filament based without cover 2) Filament based with enclose
INDEX	1) Filament based IDEX without enclose 2) Filament based IDEX with enclose
PALLET ENCLOSURE	1) Pallet based without enclose 2) Pallet based with enclose
NOZZEL COUNT	Dual Nozzel
HEATED CHAMBER	With digital temperature controller
MONITORING	Live Camera

Applications

Large-Scale Prototyping

Full-size prototypes for product validation and design testing.

Tooling & Fixtures

Custom jigs, fixtures, and manufacturing aids.

Functional Parts

Production-ready components for industrial applications.

Product Development

Accelerate design iterations and reduce development time.

Manufacturing Support

Low-volume production and replacement parts.

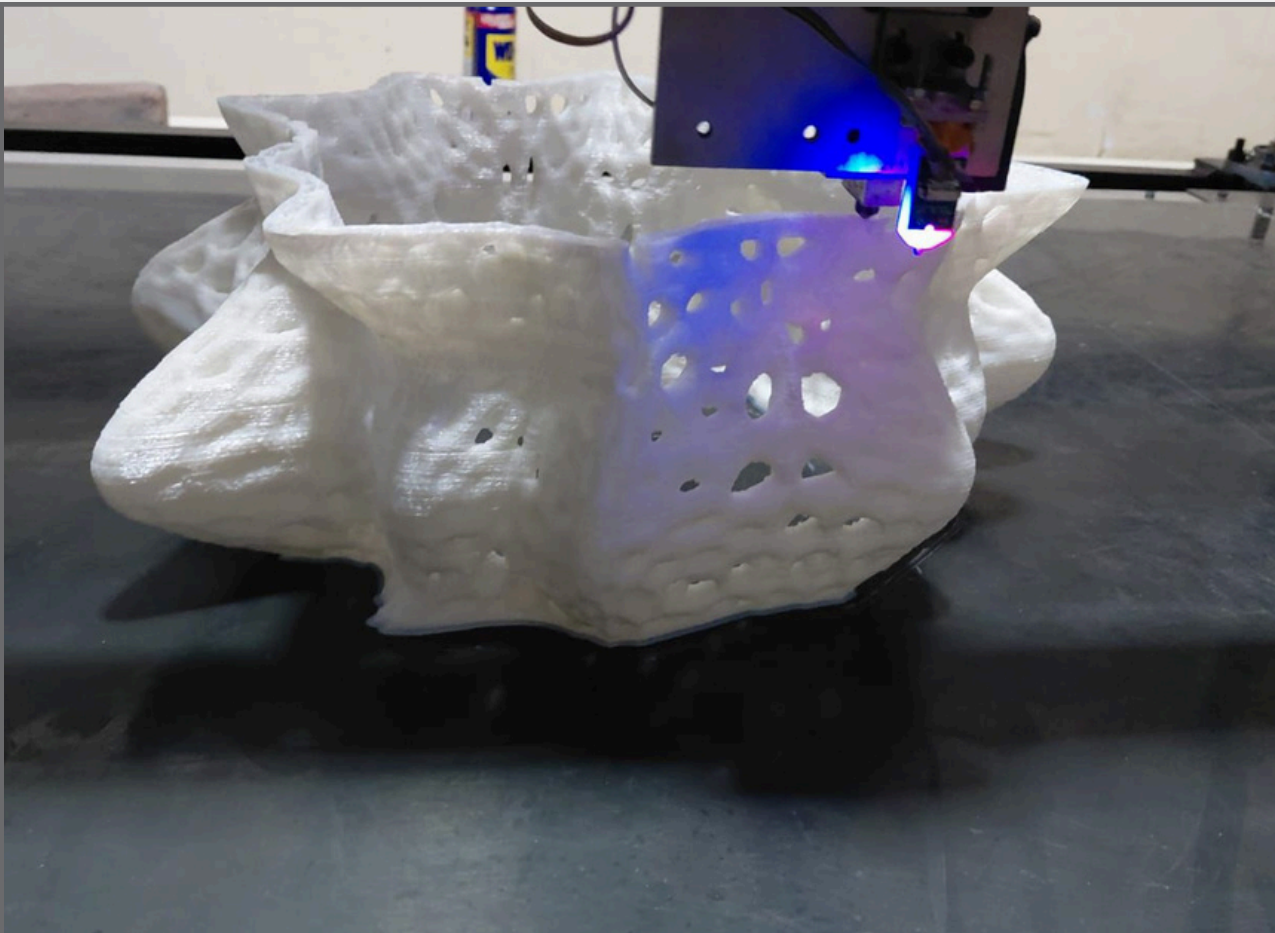
Architectural Models

Large and detailed concept models for visualization.



Printed Applications

Explore the diverse range of functional parts and industrial applications produced with the ProtoMaker 1200.



Large Prototype Parts Full-scale prototypes for testing and validation.



Industrial Fixtures Custom fixtures for efficient manufacturing.



Functional Engineering Components
Reliable parts for engineering applications.



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