



Modix BIG 120Z

Large print volume
600 X 600 X 1200mm

Print BIG!

• Heavy duty premium components: E3D, Hiwin Rails, IGUS, Meanwell...

Among Our Customers



PORSCHE



U.S. AIR FORCE



YAMAHA



PHILIPS



Kimberly-Clark



DELTA

AIR LINES

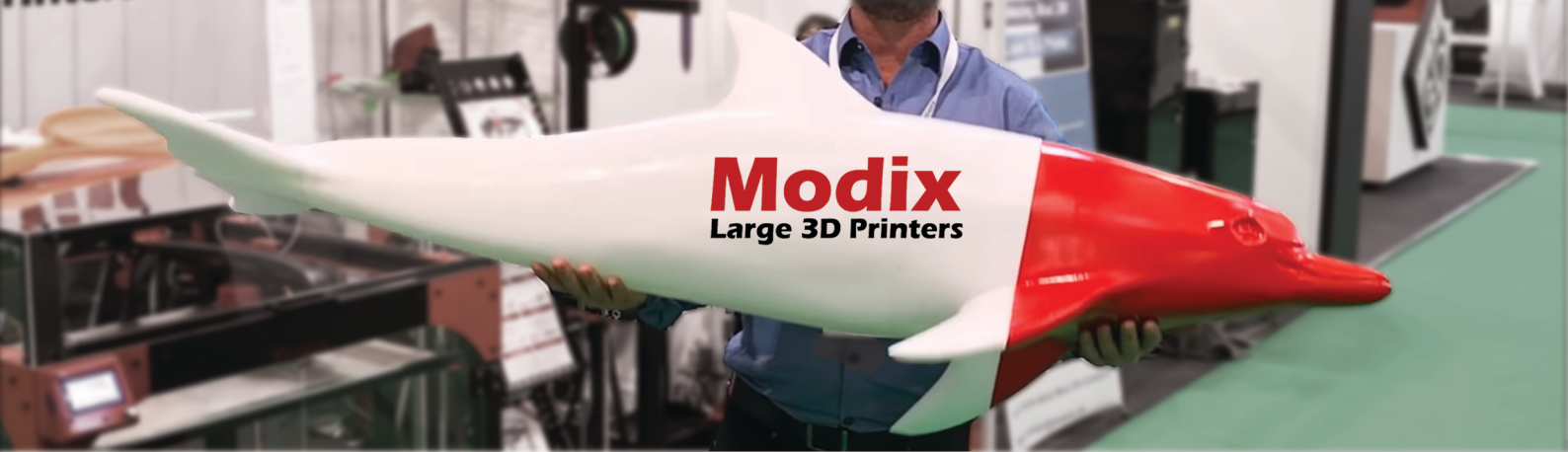
UCLA, Maryland, UMBC, Cranfield University (UK), University of Alberta (Canada)
Ghent (Belgium), and more...



Cad Cast Co., Ltd.

6/18 Rachadaphisek (Tha Pra - Taksin) Road, Thalat Phlu,

Thonburi, Bangkok 10600 Tel: (66)2-405-4824 Fax: (66)2-405-4826



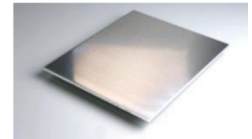
Print Head

- E3D Aero Extruder, made in UK
- E3D V6 Volcano high flow Hotend
- E3D V6 accurate — optional
- E3D Super Volcano — optional
- Max Temp — Default 285°C, 400°C optional
- Single or dual extruder (optional)
- Volcano nozzles included : 0.4, 0.6 & 0.8 mm
- Larger & smaller nozzles diameters available



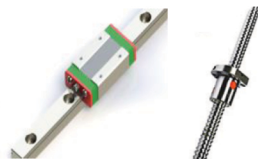
Print Bed

- Alcoa Mic6 milled aluminum plate
- Autonic PID temp controller, South Korea
- AC-powered silicone heater, 120°C Max temp
- Auto bed levelling — 100 probing points
- PEI Sheet with 3M adhesive



Motion System

- Genuine Hiwin MGW9H motion rails, Taiwan
- Gates PowerGrip 9mm GT2 timing belts, USA
- All axis Stepper motors Motech MT-1705HS200A holding torque 8.2 kg/cm (114oz) 1.8 degree
- Z axis: 4 x Belt geared steppers (MT-1705HS200A) each attached to a ball screw SFU1204



Electronics

- Duet2 WiFi 32-Bit, made in UK
- 7inch Touch screen
- IGUS Chainflex signal cables, Germany
- Meanwell 280W 24V Power Supply, Taiwan
- AC voltage compatibility: 230V / 110V



Printing Specifications

- Big120Z Build Volume: 600x600x1200mm
- Resolution: X:10µm Y:10µm (Micron)
- Z axis resolution: 0.5 µm (0.0005 mm)
- Layer Height: 50-800 Micron
- Print Speed — up to 100 mm/s
- Filament run-out detection sensor
- Default filament diameter — 1.75 mm
- Open filament system — use any brand
- Supported filament types — E3D print head supports almost any existing filament

Printer Specifications

- Big120Z dimensions: W:800 H:2000 L:800 mm
- Connection — WiFi, SD, USB (PC)
- Firmware — Duet 3d RepRap Firmware
- Software: Slic3r, Cura or Simplify3D...
- Closed enclosure — optional
- Self assembly kit — optional assembly services
- 1-Year warranty and lifetime support

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