3D PRINTER

Transforming ideas from concept design to products through the latest rapid prototyping technologies

INTRODUCTION

Welcome to our 2020 - 2021 edition of Product Catalog. We would like to thank you for your continue support and encouragement. Throughout this challenging time, we have grown and transform our business to be more efficient and effective. This will enable us to offer better service and more competitive pricing to our customers.

Our new edition of catalog comes with a easy reference features where we categorized the products into different usage categories, i.e. Advanced Material, Renewable Energy, Bio-Process, Gauge Calibration, Membrane Technology, 3D scanner and others. This will facilitate the users to quickly access to the equipment specification required, and options available to them in term of measuring range or equipment complexity.

In our new catalog, we have also added the equipment to do research in renewable energy like solar cell, fuel cell, flow cell, lithium ion batteries, and membrane technologies. In synergy with our advanced material equipment, we have also added the equipment for material characterization especially in the area of rare earth research and magnetic properties. In line with the manufacturing industry footsteps, the equipment on 3D scanning and 3D printing also have been added in to expand the tools in the research and development for industry 4.0.

To our current customers, we believed our partnership will be strengthen for the years to come. The new catalog will also create new opportunities to build new relationship with new customers.

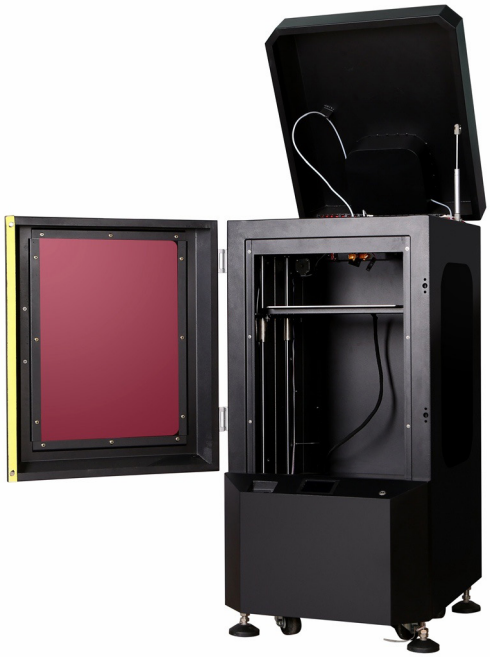
Lastly, I would like to thanks our staffs for their dedication and sacrifice in supporting the management for a brighter future.

Patrick Tan
Director
KGC (Group of Companies)

Contents

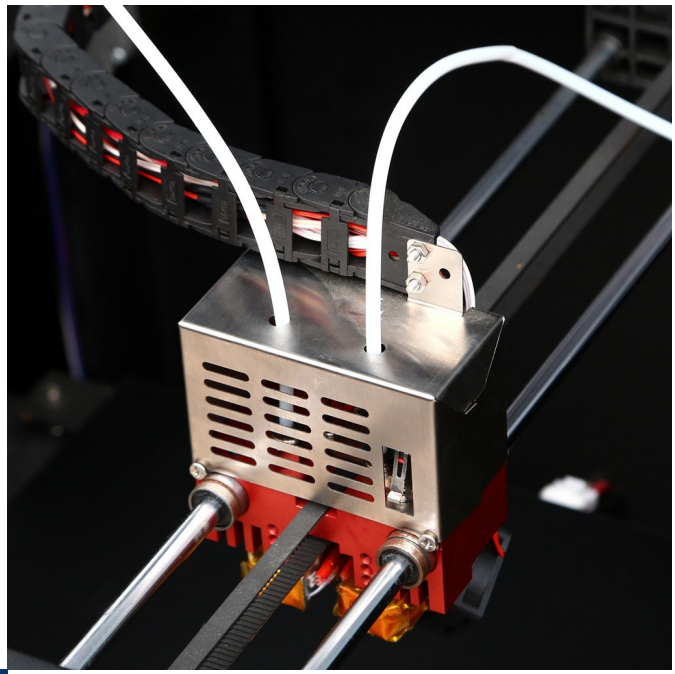
Ortur6 3D Printer

Dual Extruder with 3.5" TFT touch screen
Enclosed structure design



Features:

- Dual extruders operation
- Filament end sensor
- Resume print function
- Plug and play
- Enclosed structure



Ortur6

- Maximum print size: 300 x 300 x 500 mm
- Structure: Enclosed frame
- Available frame color: Black or customized
- LED Lighting: Built-in
- LCD Monitor Screen: 3.5" TFT Touch Screen
- XY Axis Positioning Accuracy: 0.011 mm
- Z Axis Positioning Accuracy: 0.0025 mm
- Extruder Quantity: 2 units
- Print Color: Single color
- Nozzle Diameter: 0.4 mm (can be customized to 0.5/0.3/0.2 mm)
- Printing Precision: 0.1 - 0.6 mm
- Normal Printing Speed: 50 - 150 mm/s (adjustable)
- Nozzle Temperature: Max 275°C
- Hot Plate Temperature: Max 100°C
- Hot Bed Material: Aluminum Heating Plate
- Available Filament Materials: PLA, ABS, PETG, HIPS, PVA, Nylon, etc
- Available Filament Diameter: 1.75 mm
- Artwork Format: STL, OBJ, DAE, AMF
- Slice Software: Cura, Simplyfy3D, Slic3r, etc
- Input Data Format: G-Code
- Data Input Format: SD Card
- Compatible OS: XP, Win7, Win8, Win10, Linux, MAC
- Online Printing Software: Repetier-Host
- 3D Printer Dimension: 548 x 644 x 1174 mm
- Weight: 60 kg

Ortur4-V1 3D Printer

Fast Assembly
Auto Bed Levelling & Z Offset

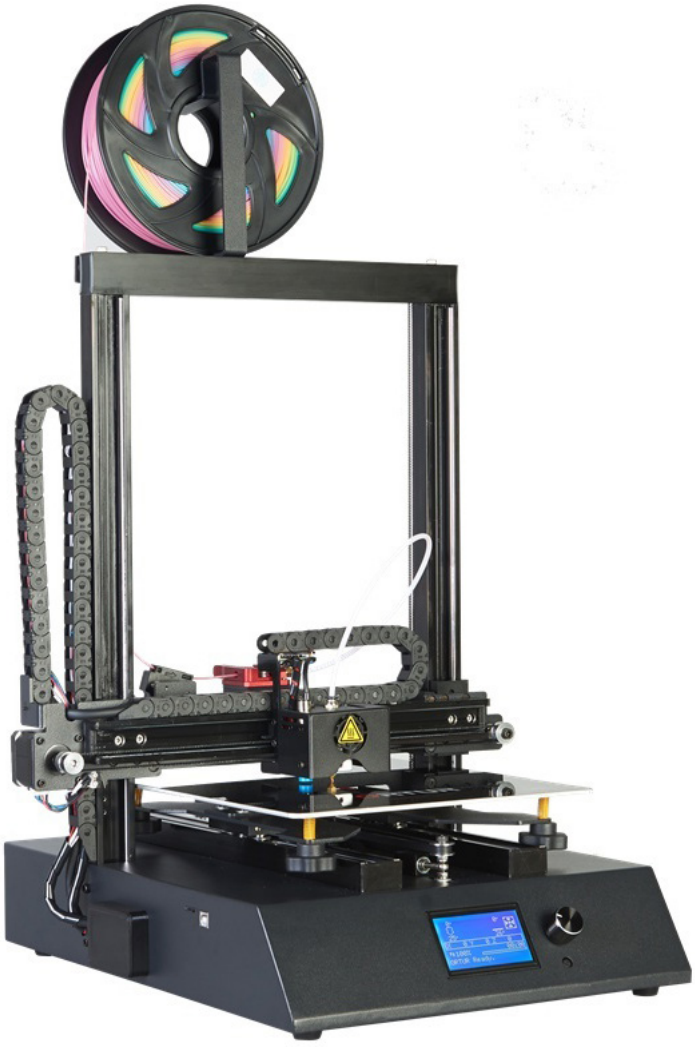
PLA

WOOD

ABS

METAL

TRANSLUCENT MATERIAL



Features:

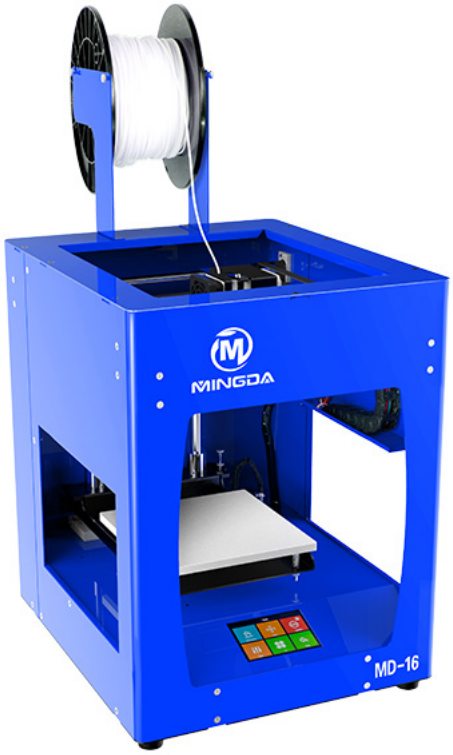
- All Metal & Single Structure Design
- Filament Run Out Sensor
- Fast Assembly
- Auto Bed Levelling & Z Offset
- Resume Print Function
- Marlin2.0 Firmware GPL Compliant
- Thermal Runaway Protection

Ortur4-V1

- Maximum print size: 260 x 310 x 305 mm
- Structure: Steel casing + Linear guide rail
- Available frame color: Black or customized
- Output Voltage: 24 V
- LCD Monitor Screen: LCD12864
- XY Axis Positioning Accuracy: 0.012 mm
- Z Axis Positioning Accuracy: 0.004 mm
- Extruder Quantity: 1 unit
- Print Color: Single color
- Nozzle Diameter: 0.4 mm (can be customized to 0.5/0.3/0.2 mm)
- Printing Precision: 0.05 - 0.4 mm
- Normal Printing Speed: 100 - 150 mm/s (adjustable)
- Nozzle Temperature: Max 275°C
- Hot Plate Temperature: Max 90°C
- Hot Bed Material: Aluminum Heating Plate
- Available Filament Materials: PLA, PETG, Wood, PVA, Carbon, etc
- Available Filament Diameter: 1.75 mm
- Artwork Format: STL, OBJ, DAE, AMF
- Slice Software: Cura, Simplyfy3D, Slic3r, etc
- Input Data Format: G-Code
- Data Input Format: SD Card
- Compatible OS: XP, Win7, Win8, Win10, Linux, MAC
- Online Printing Software: Repetier-Host
- 3D Printer Dimension: 450 x 420 x 710 mm
- Weight: 11.5 kg

Desktop 3D Printer

Dual Extruder with 3.5" TFT touch screen
Enclosed structure design



MD-16

- Maximum print size: 160 x 160 x 160 mm
- Machine dimension: 300 x 350 x 395 mm
- Frame Material: High-end Stainless Steel
- Display&Controller: 3.5 inch LCD touch screen
- Step motor: MINGDA brand 57 stepper motor gear
- Heating bed: 6mm thickness Alumina heating bed
- File Types: STL, STP, OBJ, G-Code
- Supports: Windows, Linux, Mac OX
- Gross Power: 350W
- Nozzle: Stand 0.4mm MINGDA patent nozzle
- Layer Thickness: 0.05-0.3mm
- Max Printing speed: 0-200mm/s (adjustable)
- Nozzle Temperature: 275degree
- Platform Temperature: 110degree
- Printng Materials: PLA, ABS, ASA, HIPS, Flexible/TPU, Wood, Nylon, Copper, Carbon Fiber, Aluminum etc.


Functional Prototypes


New Product Development


Research Aids


Educational Projects

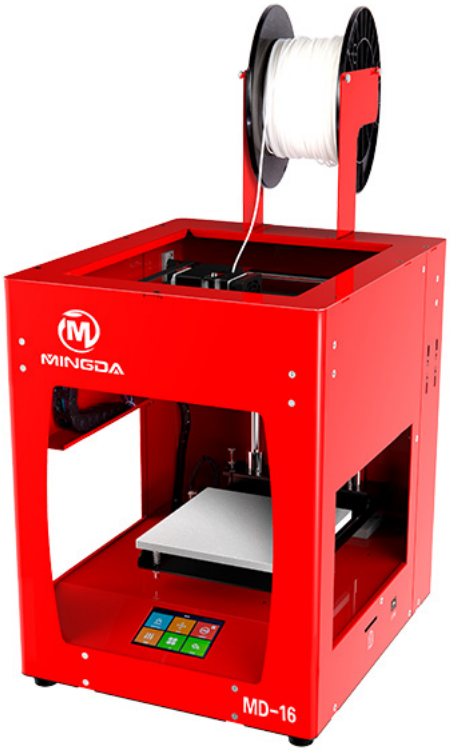

Miniature Scale Models


Spares & Replacements


Arts & Crafts

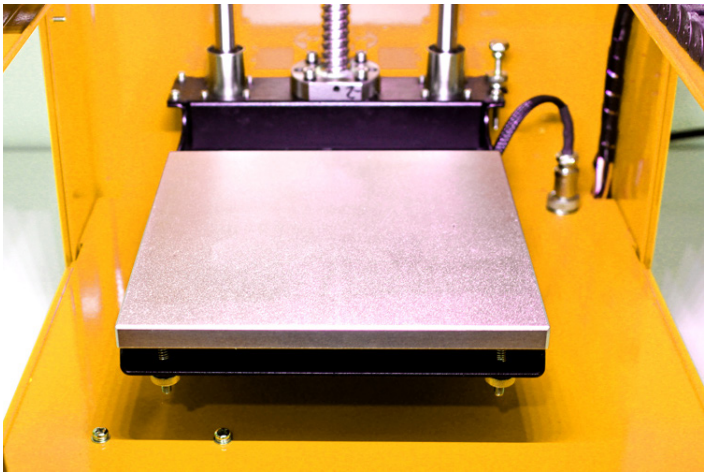

Custom Gifts & Mementos


Batch Production



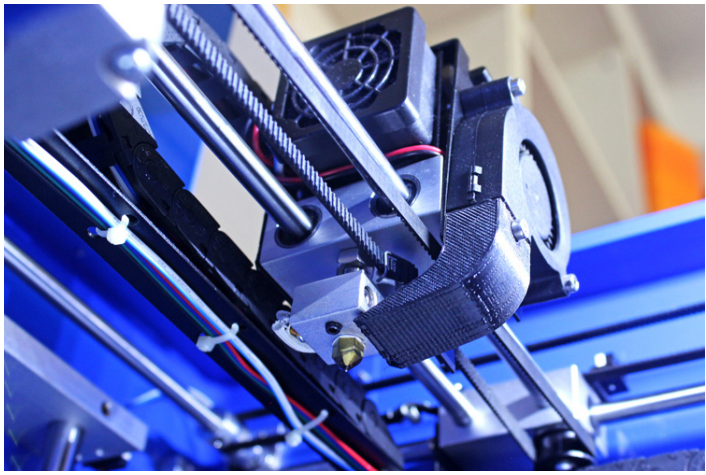
Features:

- Super-silent printing
- Exclusive patented 3D printer nozzle
- Aluminum heating bed, 6 mm thickness flat bed
- Metal frame 2 mm thickness structure

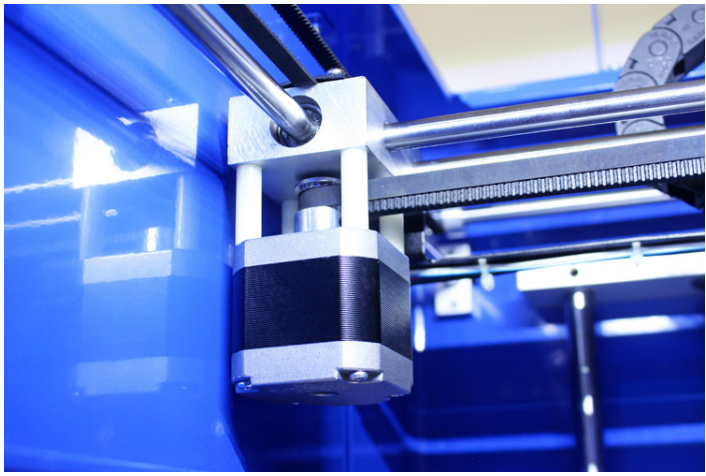


Small size design, suitable for education, small 3d model printing etc

High precision stepper motor: strictly control the motor position, ensure MINGDA powered 3d printer printing accuracy



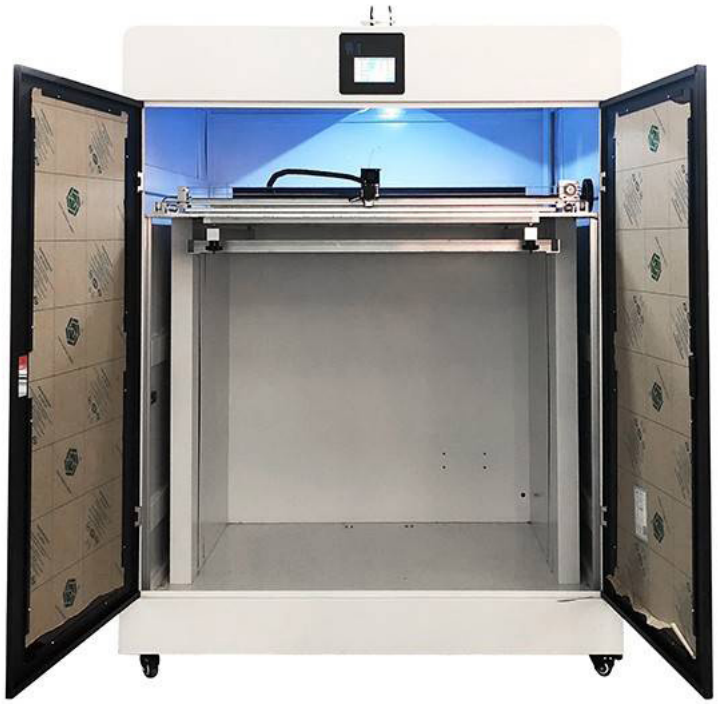
Aluminum heat bed, 6mm thickened flat heating bed on the MINGDA metal education 3d printer machine makes sure printing stability and accuracy



High precision stepper motor: strictly control the motor position, ensure MINGDA powered 3d printer printing accuracy

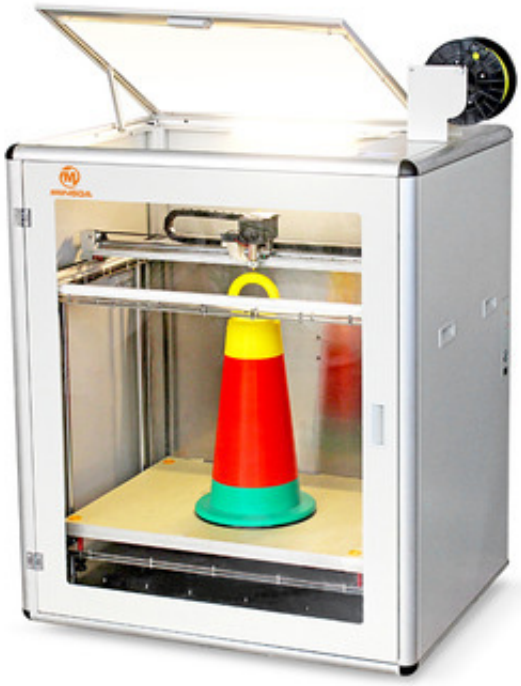
Industrial Series 3D Printer

Large platform
Advanced function



MD-1000

- Printing Size: 1000 x 1000 x 1000mm
- Machine Dimension: 1320*1240*1725mm
- Packing Size: 1400*1320*1930mm
- N.W/G.W: 350 / 418kg
- Frame Material: High-end Stainless Steel
- Display&Controller: 5.0 inch LCD touch screen
- Layer Thickness: 0.05-0.3mm
- Printing Speed: 0-200mm/s (adjustable)
- Nozzle Stand: 0.4mm MINGDA patent nozzle
- Nozzle Temperature: 275°C
- Platform Temperature: 110°C
- Connectivity USB / SD Card (recommende by us)
- File Types STL,OBJ to Cura, simplifyed, slic3r,repetier host to g-code
- Supports: Windows, Linux, Mac OX
- Printng Materials: PLA (recommended), Flexible/TPU etc.
- Language: English
- Heating bed: 10mm thickness Alumina heating bed , 700W
- Track of machine: All linear guide rail on X, Y and Z axis
- AC Input: 95-265V, 50/60Hz
- Gross Power: 1000W
- Motherboard: 32bits Frequency 72M Cortex-M3 STM32 Chip
- Extruder: 1.75 mm Single Extruder



MD-666

- Printing Size; 600 x 600 x 600mm
- Machine Dimension: 88 x 93 x1165cm
- Packing Size: 108 x113 x1365cm
- N.W/G.W: 180 / 215kg
- Frame Material: High-end Stainless Steel
- Display&Controller: 5.0 inch LCD touch screen
- Step motor: MINGDA brand 57 stepper motor gear
- Heating bed: 10mm thickness Alumina heating bed , 700W
- File Types: File Types: STL, STP, OBJ, G-Code
- Supports: Windows, Linux, Mac OX
- Track of machine: All linear guide rail on X, Y and Z axis
- AC Input: 95-265V, 50/60Hz
- Gross Power: 1000W
- Nozzle: stand 0.4mm MINGDA patent nozzle
- Layer Thickness: 0.05-0.3mm
- Max Printing speed: 0-200mm/s (adjustable)
- Nozzle Temperature: 275°C
- Platform Temperature: 110°C
- Connectivity: USB / SD Card (recommende by us)
- Printng Materials: PLA (recommended), Wood, Copper, Carbon Fiber, Aluminum, etc

MD-4H

- Dual extruder
- Printing Size; 200 x 200 x 200mm
- Machine Dimension: 595 x 445 x 975 mm
- Packing Size: 660 x 500 x 1190 mm
- N.W/G.W: 43/ 58 kg
- Frame Material: High-end Stainless Steel
- Display&Controller: 5.0 inch LCD touch screen
- Step motor: MINGDA brand 57 stepper motor gear
- Heating bed: 10mm thickness Alumina heating bed , 700W
- File Types: File Types: STL, STP, OBJ, G-Code
- Supports: Windows, Linux, Mac OX
- Track of machine: All linear guide rail on X, Y and Z axis
- AC Input: 95-265V, 50/60Hz
- Gross Power: 700W
- Nozzle: stand 0.4mm MINGDA patent nozzle
- Layer Thickness: 0.05-0.3mm
- Max Printing speed: 0-200mm/s (adjustable)
- Nozzle Temperature: 275°C
- Platform Temperature: 110°C
- Connectivity: USB / SD Card (recommende by us)
- Printng Materials: PLA (recommended), Wood, Copper, Carbon Fiber, Aluminum, etc

MD-6H

- Printing Size; 400 x 300 x 500mm
- Machine Dimension: 550 x 650 x 1000 mm
- Packing Size: 660 x 580 x 1120 mm
- N.W/G.W: 64/98 kg
- Frame Material: High-end Stainless Steel
- Display&Controller: 5.0 inch LCD touch screen
- Step motor: MINGDA brand 57 stepper motor gear
- Heating bed: 10mm thickness Alumina heating bed , 700W
- File Types: File Types: STL, STP, OBJ, G-Code
- Supports: Windows, Linux, Mac OX
- Track of machine: All linear guide rail on X, Y and Z axis
- AC Input: 95-265V, 50/60Hz
- Gross Power: 700W
- Nozzle: stand 0.4mm MINGDA patent nozzle
- Layer Thickness: 0.05-0.3mm
- Max Printing speed: 0-200mm/s (adjustable)
- Nozzle Temperature: 275°C
- Platform Temperature: 110°C
- Connectivity: USB / SD Card (recommende by us)
- Printng Materials: PLA, ABS, ASA, HIPS, Nylon, Flexible/TPU, Wood, Carbon Fiber, Copper, Aluminum etc

KGC

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THROUGH RESEARCH & INNOVATION

DESIGN YOUR PERFECT LABORATORY WITH OUR

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