

MD-4H

HIGH PRECISION INDUSTRIAL GRADE 3D PRINTER



high precision
printing



5.0 full color
Hd touch screen



Resume Printing

MINGDA

High Quality 3D Printer

*300*200*200mm printing area*



MACHINE PARAMETERS



Model	MD-4H
Build Size	300x200x200mm
Machine size	550x410x640mm
Machine weight	38kg

PRINTING

Print technology	FDM(Fused Deposition Modeling)
Layer thickness	0.05-0.3mm
Positioning precision	XY 0.006mm; Z 0.0015mm
Nozzle diameter	0.4mm
Nozzle temperature	0-275°
Platform temperature	0-110°
Nozzle moving speed	0-200mm/s (recommended 40-80mm/s)
Printing material	PLA/ABS/TPU/Nylon,etc

SOFTWARE

Operation software	Cura, simplify3D (provide Cura)
File type	Stl, Obj, Gcode
Connectivity	USD, SD card
Support	Windows, Linux, Mac OX
3D design software	UG, SW, PRO, 3dmax etc

Electrical And other



AC Input	95-265V, 50/60HZ
Machine power	700W



High Precision
Printing



Resume Printing after Power Cut



HD Colorful
Touch Screen



Quick Heating



Filament
detection



wide range
of filaments



XYZ Full Linear Guide Rails



Advanced cooling system



Newest professional exclusive patent inner T structure

The new version of MD-4H XYZ axes adopts a new **cantilever beam structure**.

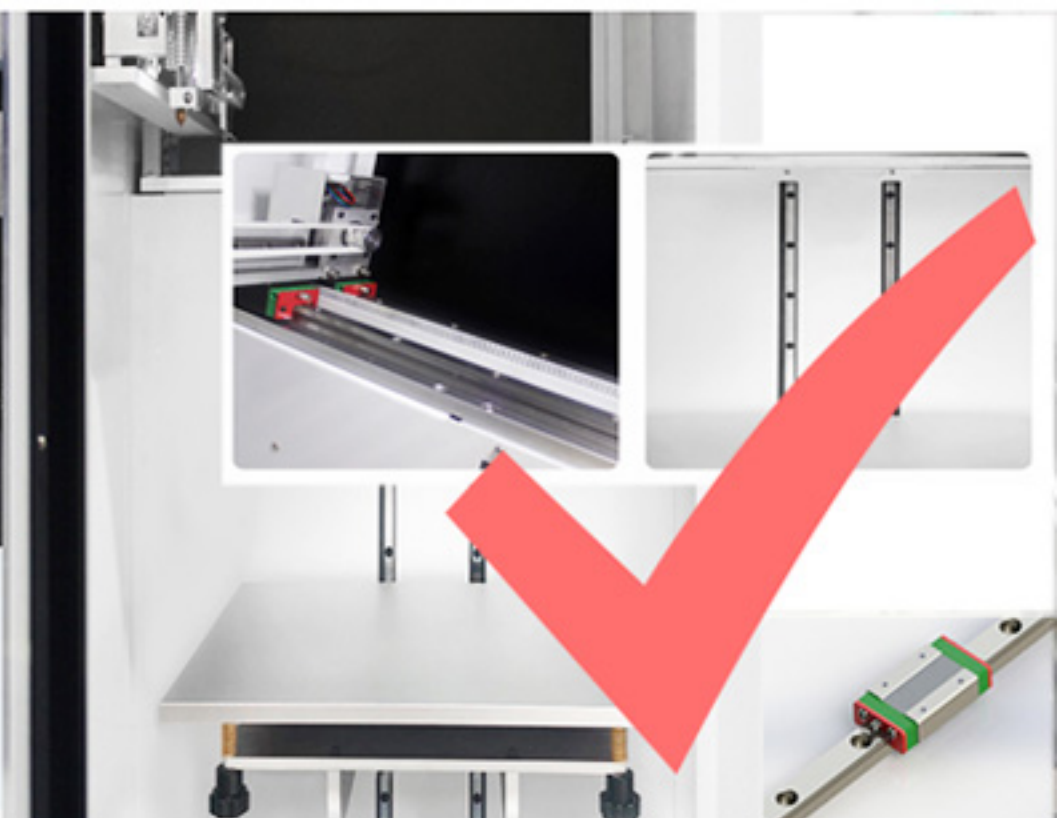
MINGDA's exclusive motion control system, as well as the exclusive patented cantilever beam structure, combined with linear guide rails, multi-point support, so that the machine **won't have any shaking** during the printing process, **making the machine more stable during the printing process**.

This structure is **more advanced and stable**, Improved XY-type transmission mechanism increases printing speed by up to 20%.

Screw Structure of other 3d printers on the market



Full linear guide rails structure of MINGDA 3D Printers



Accurate linear guide rail

The accurate linear rail structure can print models in accuracy high reach to 50 times higher than the other ordinary optical axis/ screw structure printers on the mass market. This structure offer greater precision, better mounting, and smoother motion, improving print quality and printer reliability.

10MM THICKENED ALUMINUM HOT BED

*Stric horizontal calibration before leaving the factory.Users can use it without leveling after receiving the machine

. And easy for leveling.

*10mm thickness heating bed, more strong and more flat.

*Anodizing hot bed, resistant to corrosion.

* Using the exclusive heating pad, can be quickly heated to 110 degrees.

* Can print PLA, ABS, TPU, carbon fiber and many other different materials



Big nut design
Easily adjust the hot bed

RESUME PRINTING & FILAMENT DETECTION

INDUSTRIAL POWER SWITCH

RESUME PRINTING AFTER POWER FAILURE,

FILAMENT DETECTION,

SUPPORT SD CARD OFFLINE & USB ONLINE PRINTING



Power Switch

Industrial power button
With automatic shutdown after printing

USB Online Printing

LED light Switch

Choose whether to turn on the LED light
It is convenient for you to check the
printing status at any time

SD card offline Printing

FILAMENT DETECTION

When there are no consumables, the intelligent suspension warning, Improve printing success rate and save time.



Normally



Intelligent reminder when filament is insufficient or broken

RESUME PRINTING AFTER POWER CUT

Built-in UPS, when the machine is powered off, the machine will automatically suspend printing, and return to the home point, when the power on, the machine will continue to complete the remaining printing work from the point of suspension. **The industrial-grade UPS function will not damage the printing model and reduce the problem of unevenness of the two parts after printing.**



All aluminium upgrade Extruder parts

*Newest cooling system, heat dissipation block+ vortex fans, can help the extruder and the nozzle to achieve better cooling. Upgrading the cooling system helps to increase the speed of hardening, improving accuracy

*Self-patent nozzle max temperature 275 degree, no blocking and drawing

Direct Drive extruder.Ability to Print Multi Kinds of Filaments, including Flexible Material, such as TPU etc

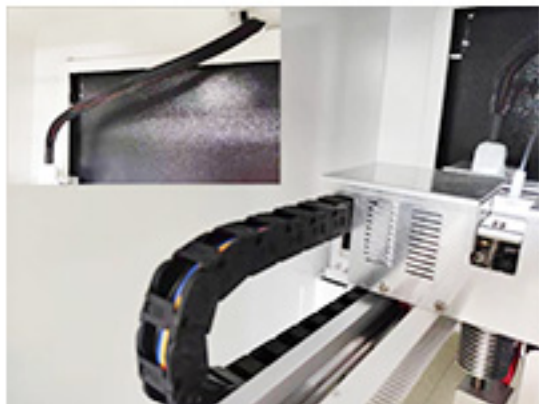


5.0 inch LCD touch screen English interface



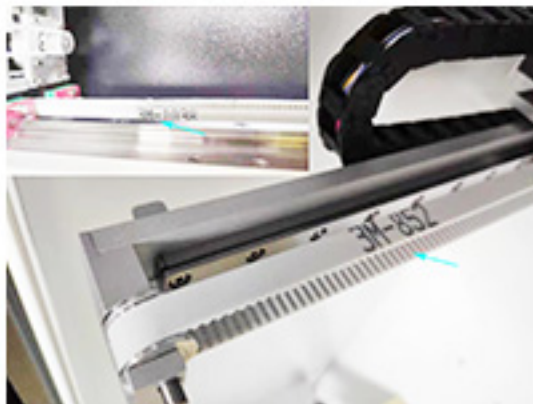
Other Details

Lines are neat and safe



3M industrial belts

Durable and smooth



Industrial professional limit switch,
can precisely position, and guarantee
the printing quality of prototypes



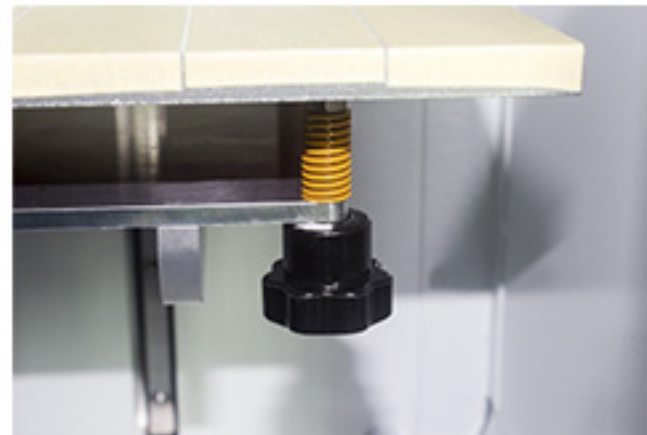
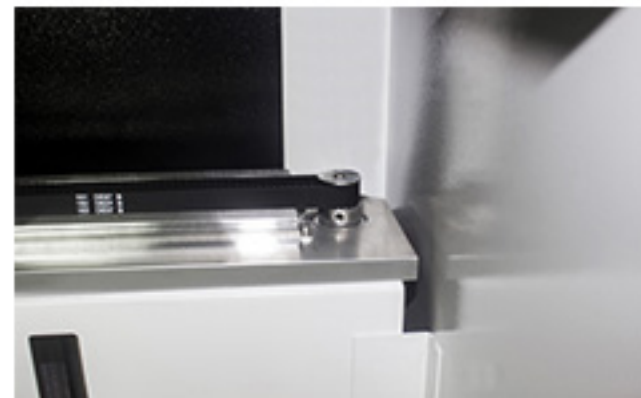
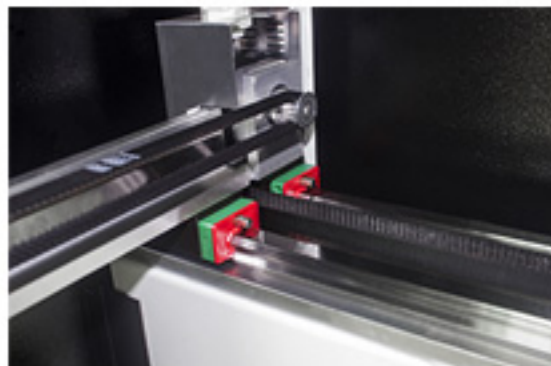
Filament on the top, no worry about its breaking



Independent Research and Development
of the Motherboard, Stable Performance, High Precision



Internationally Renowned Power Supply,
24V,380W Wide Voltage Power supply,
Automatic Adaptation Regulator



APPLICATION AREA



Architectural



Industrial



Automotive



Medical



Art Design



Education



Toy



Furniture



Food



LED Lighting Industry

Printing Samples



ABS dental prototypes



Nylon Printing



Souvenir+ Moom Lamp Printing



Carbon fiber printing



TPU flexible printing



Wood PLA printing



Buddha Printing+ Postprocessing



Aluminum PLA printing



Mini Me Printing

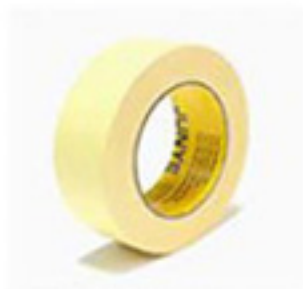
How to pack MINGDA 3D printer?

1. One set 3D printer machine
2. One roll filament , one masking tape
3. Power plug and USB cable
4. SD card with manual, software and some model samples
5. One maintenance kit (spare nozzles, tubes, Tweezers, Tape, Knife, pliers, screwdrivers etc)
6. Standard international strong wooden package , suitable to long-distance transportation

MINGDA Official Standard Accessories



Feeding tube



Masking tape



Nozzle



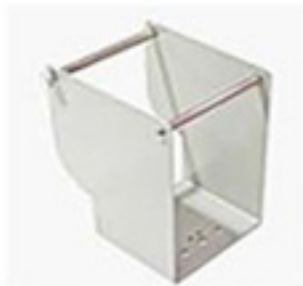
Scraper knife



Diagonal pliers



Power cable



Filament holder



SD card



Sleeve



Art Knife

How will you shipping MINGDA 3D printer to my destination?

Our 3D printer shipped by different transportation, you can choose the most convenient method. Generally, MINGDA always ship 3D printers by air and sea. In the mean time, MINGDA has cooperated with international express such as DHL, UPS, TNT to enable our customers get the 3D printer rapidly.

Package and delivery



Shenzhen Mingda Technology Co., Ltd has more than 10 years of manufacturing and design experience for 3D printers. We specialize in researching and production of 3D printers and 3D filaments. We have professional R&D team, domestic advanced production equipment and precision instruments.

Quality Guarantee is always our aim. We have proven to be a dependable, trustworthy, engaged and efficient company that always adheres to increase customers' satisfaction. All our products have pass CE, FCC, ROHS, ISO9001 certificates.

We focus on professional industrial 3d printer MD 4H / 6H/ 666/1000 , printing size from 300*200*200mm to 1000*1000*1000mm. and desktop MD-16 160*160*160mm and newest DIY 3d printer, which will extend your profile and profit, So I think our possibility of cooperation definitely exist. Let us work together to open up new prospects for win-win cooperation!

