

you can  
**WANHAO**

# D12 230

**PRODUCT BROCHURE**



# D12 230

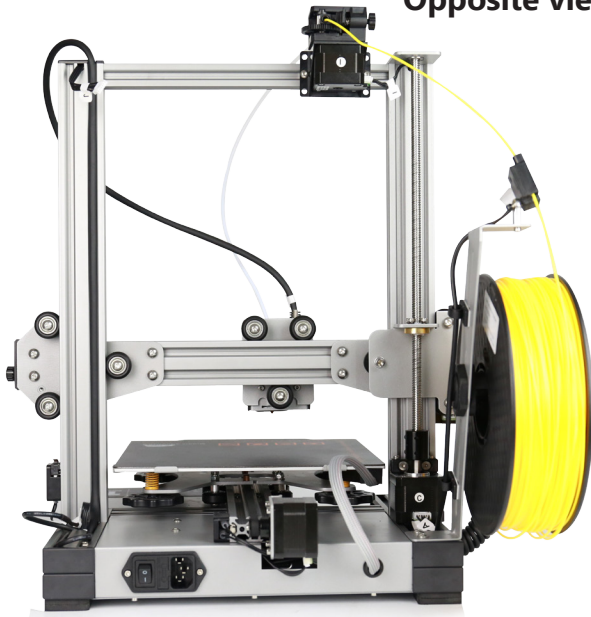
# 230x230x250



**Positive perspective**



**Opposite view**



# D12 230

# 230x230x250



## Technical Specifications

Primary Attributes of the Technology	PLA Printer, Entry Level Printer. Fully Assembled.
Software	CURA, Repetier Host, Simplify 3D
Extruder System	MK12 Single/ Double together
Material Support	PLA, PETG, any filaments melt = <260°C
Max Printable Area	230*230*250mm
Filament Diameter	1.75mm
Max Printing Speed	150mm/s
Case Material	Aluminum Case
With Insulated Cover?	Insulated tent available, to be purchased separated.
Extruder Quantity	1 or 2
Accuracy	Motor Accuracy
Net Weight(kg)	8.56kg
Gross Weight(kg)	11kg
Bed Leveling	5 points manual leveling
Machine size(cm)	33*52*50cm
Packing size(cm)	53.5*48*27.5cm
Platform Holder	Steel Frame Holder
Rail Locking System	Steel Bolt Locking Frame
Layer Thickness	100 micron- 400 micron
Platform	Aluminium Platform w/Heating
Resume Printing?	Can resume printing after power failure
LCD Display	English/Chinese/ Can be customized for any language
Power Supply Unit	Inside 110 AND 250V(optional), 50/60Hz, 4.0A (input), and takes standard IEC cable
Typical Application	<ul style="list-style-type: none"><li>•A perfect printer for educators who intend to use the printers in technical education.</li><li>•Great printer for DIY hobbyist.</li></ul>

# D12 230

# 230x230x250



1. Extruder data cable

2. Filament tube

3. Extruder assembly

4. Z axis cable pack

5. X axis belt tension adjuster

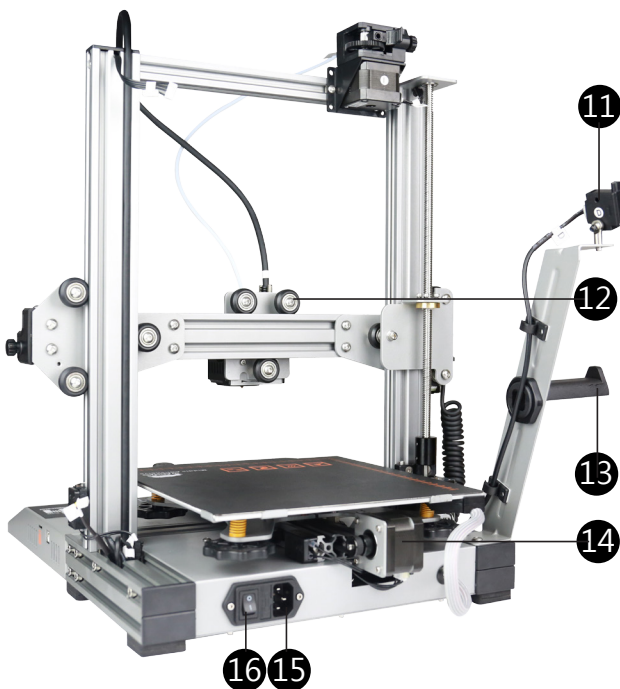
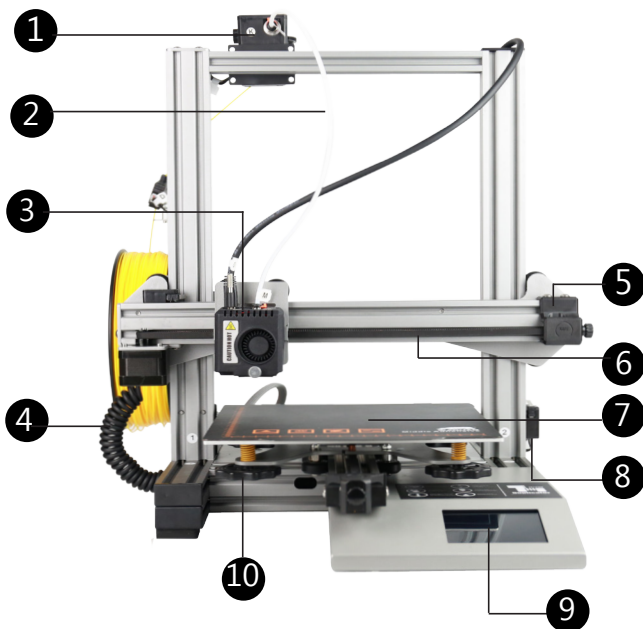
6. X axis belt

7. Movable bed sheet

8. Z axis end stop switch

9. Touching screen

10. Leveling nut



11. Filament detector

12. X axis roller

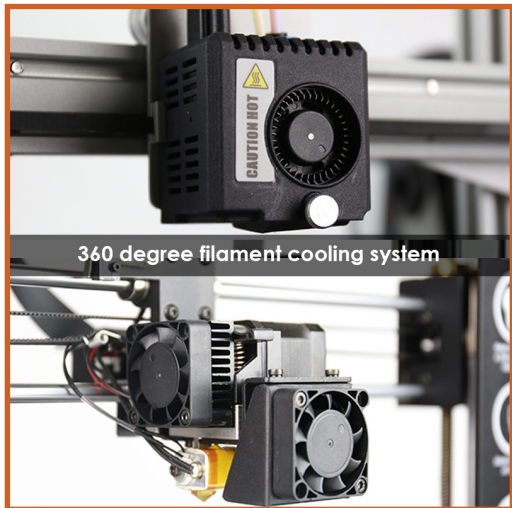
13. Filament holder

14. Y axis motor

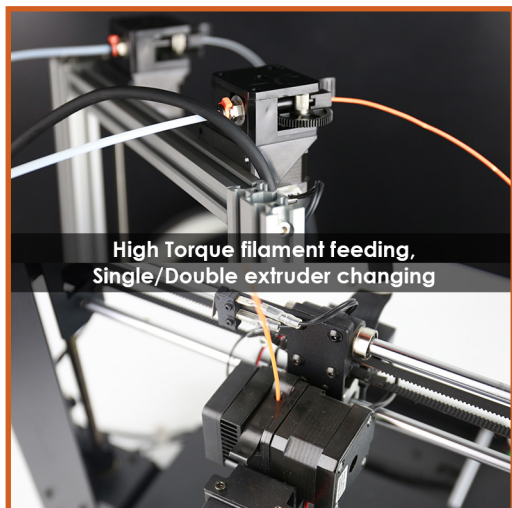
15. Power socket

16. Power switch

# IMPROVEMENTS



360 degree filament cooling system



High Torque filament feeding,  
Single/Double extruder changing



Spring Steel Plate,easier to get the model



WIFI connectivity,wireless free more

# IMPROVEMENTS



5-inch touch screen, new UI design with model preview function



Filament breaking sensor, Protect your work



Enlarged leveling nut, convenient and labor-saving



Magnetic sticker with scale

# IMPROVEMENTS



Cable management, space-saving, simpler and safer



X-axis elastic belt adjustment, much more accuracy

# FEATURES INTRODUCED



## Filament Detection Sensors

Filament detection sensors are especially designed to detect filament running out or breaking out, reminded via screen and instruction light.



## Power Switch with 2 Fuses

Your safety is No.1 thing we care. 2 fuses have been pre-installed inside power switch. We don't expect it burn. But in case there's any emergency, the small fuse can stop the printer and protect your property.



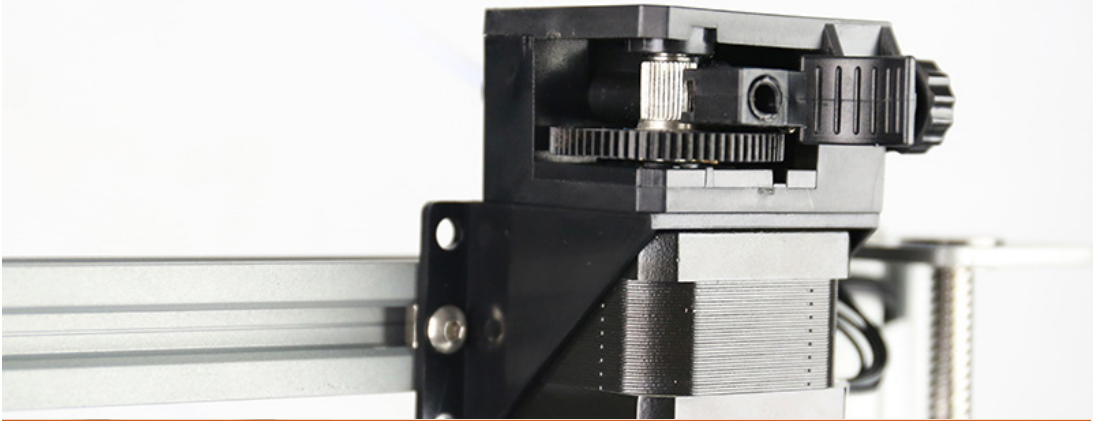


# FEATURES INTRODUCED



## Remote High Torque Extruder

We set the extruder far from the hot end, to lighter the weight of moving hot end. This way, we get less moving weight and faster printing speed.



## Easy Twist Leveling Nuts

An big leveling nuts has been installed onto this machine to enable faster and easier leveling.



# FEATURES INTRODUCED



## Adjustable Belt Tensioner

All D12 series have installed adjustable belt tensioner on X and Y axis which enable customer to achieve best belt tension for your prints.



## Quieter is a MUST

For home printing machine. The more quieter the better. We are using the quieter Fan, Quiet motor driver, quiet belt... All we have done has one aim that to make you feel more comfortable when you print at home.



# FEATURES INTRODUCED



## Thicker Z axis Screw Nuts

For better printing quality in Z axis. Thicker nuts is a must. All wanhao D12 have equipped much thicker nuts for more touching area and more accuracy.



## Universal Joint for filament sensor

Why we use expensive Universal joint for this machine. Because it's an ART for Wanhao Staff. When filaments moving in different angle, the movable universal joint would follow up accordingly. You would enjoy this automatic changing direction on this small component.



# FEATURES INTRODUCED



## Double lock

We pay attention on every small detail of this precise machine, We do believe a small improvement would ensure final success. And Your success is our business. We strive for improving on each component.



## High Precise Coupler

Aluminum high precision coupler. The CNC high accuracy complements providing extra smoother and accuracy.

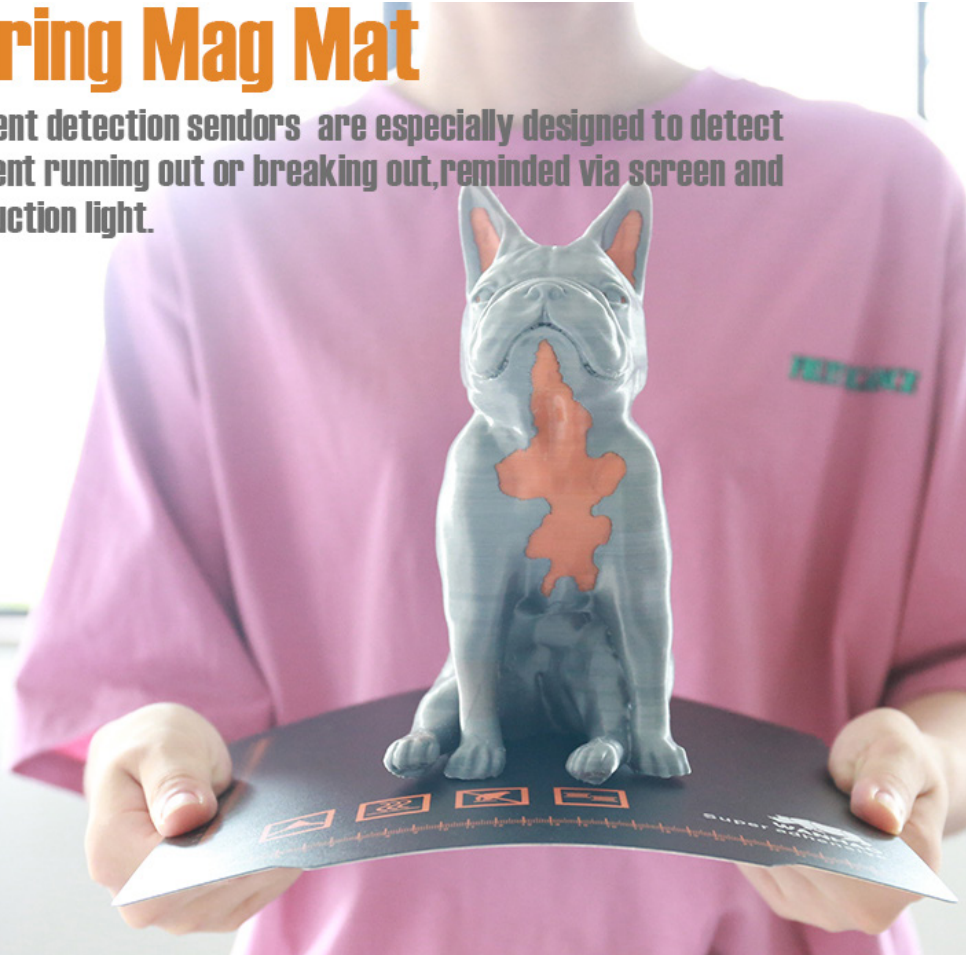


# FEATURES INTRODUCED



## Spring Mag Mat

Filament detection sendors are especially designed to detect filament running out or breaking out, reminded via screen and instruction light.



# FEATURES INTRODUCED



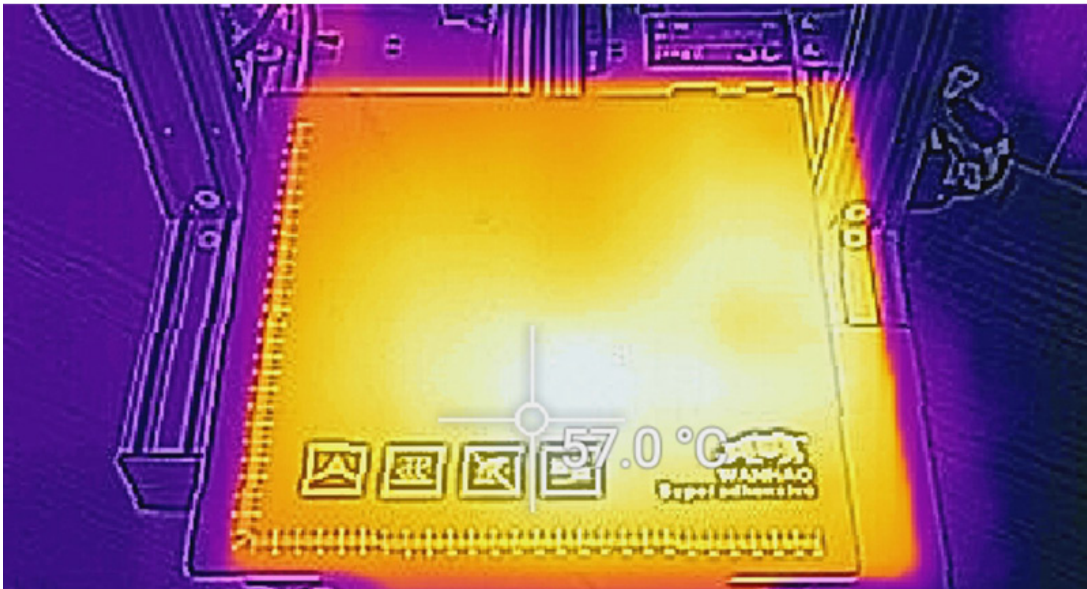
## Z-axis Reinforcement

Filament detection sensors are especially designed to detect filament running out or breaking out, reminded via screen and instruction light.



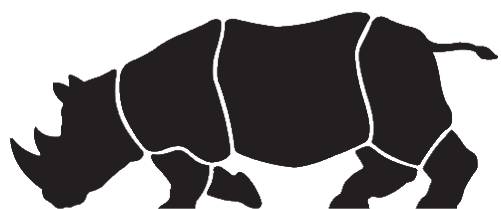
## Heating Bed

Heating much more quickly and evenly.



## Main Feature:

- Great Build Volume:230x230x250mm
- Single/Dual Extruder:
- Connectivity: WiFi, Micro SD card
- MK12 extruder
- Touching screen Preview function;
- Filament sensor
- Power failure Resume printing
- Manual mesh bed leveling;
- X Y axis belt adjustable
- Z axis reinforce with thicker fixing nut;
- Quiter with smoother chip TMC2209;
- Supported Material:PLA,Wood,PETG,Silk,ASA,PC, eTwinkling,Marble,etc



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