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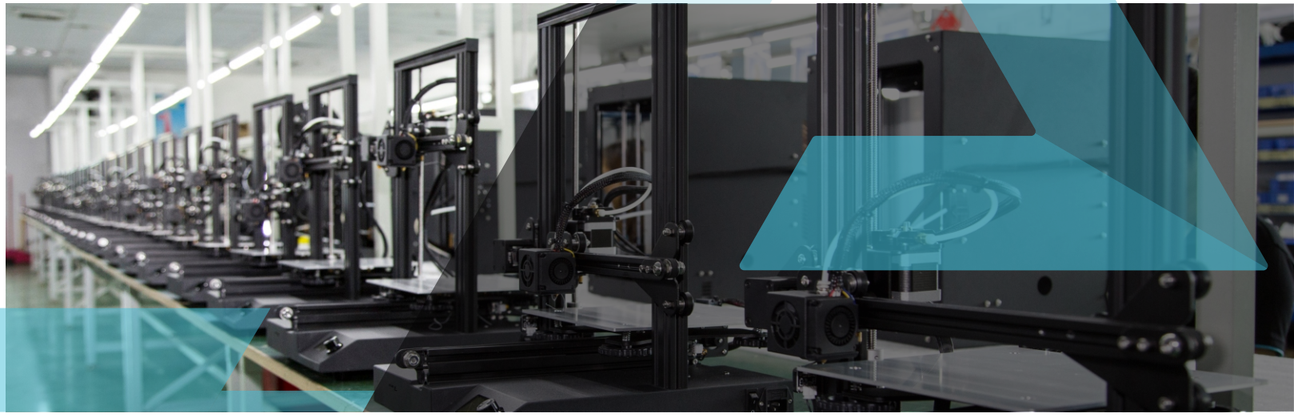

3D PRINTING INDUSTRY STANDARD BEARER

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BD-3DP01 mini



MINI Modular DIY 3D printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	180*180*180mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,ABS，PLA，HIPS ect.
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	ET/Cura/Repetier-Host/Simplify 3D
Power Supply:	220V/110V 250W
Price:	

- Modular DIY design, enjoy the DIY assembly.
- Small portable size, easy to operate at any place.
- Upgraded Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.
- Big size screen, control each process easily..

BD-3DP02



High cost-effective Primary DIY Printer

- Molding Tech: FDM(Fused Deposition Molding)
- Printing Size: 220*220*250mm
- Printing Speed: ≤100mm/s
- Precision: ±0.1mm
- Slice Thickness: 0.1mm-0.4mm
- Nozzle Diameter: Standard 0.4mm,can be in 0.2,0.3mm
- Fliament: 1.75mm,PLA,ABS,TPU,wood，gradient color,carbon fiber,etc
- Bed Temp: ≤110°C
- Working Mode: Online or TF card offline
- File Format: STL,OBJ,AMF
- Slice Software: Cura,Repetier-Host,Simplify 3D
- Power Supply: AC input100-120V/200-240V,DCoutput: 24V 270W
- Price:

- Split type design: The electronic control host and the mechanical structure are separated, develop your mind, help create a variety of printers at will.
- **Safe protected power supply and additional power cut protection function, realize longtime print**
- Industrial grade circuit board: The technology is mature and stable, and it can work continuously for 200 hours without pressure.
- Linear pulley system: patented technology, V-profile + precision pulley with perfect,running more smoothly, more wear-resistant. Effectively reduce noise.
- Mk10 Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.

BD-3DP03

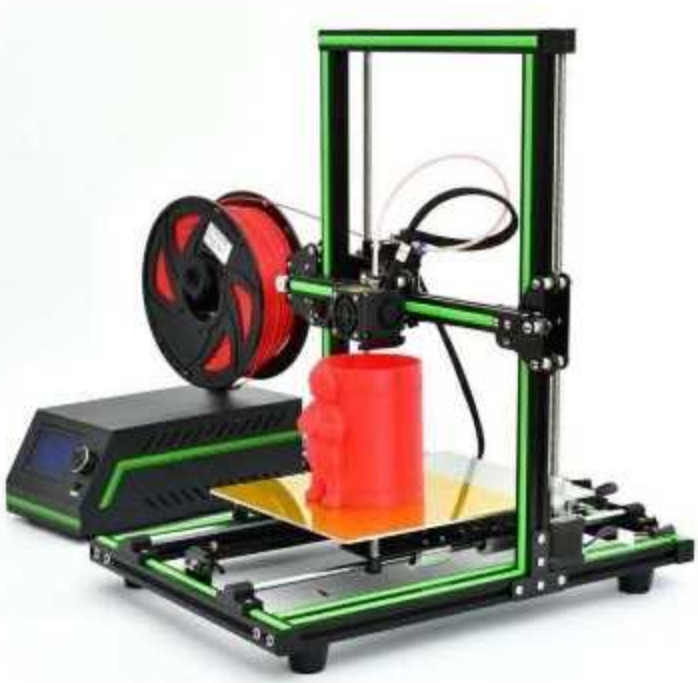


Modular DIY 3D printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,ABS，PLA，HIPS ect.
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	ET/Cura/Repetier-Host/Simplify 3D
Power Supply:	220V/110V 250W
Price:	

- Modular DIY design, enjoy the DIY assembly.
- Fast leving with springs, easy to operate,.
- Upgraded Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.
- Big size screen, control each process easily..

BD-3DP04



Fashionable easy assemble high-modular 3D pinter

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*270*300mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,ABS，PLA，HIPS ect.
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura
Power Supply:	220V/110V 250W
Price:	

- Solid metal integration structure
- Rapid installation in 10 mins with detailed instruction
- Lower noise and higher precision
- Unique belt adjustment design.
- Dual Z axis motors and dual Y axis braces make printing more stable
- Big printable size 220*270*300mm
- Support TPU filament and esay to change filament

BD-3DP05



Big size cost-effective Primary DIY Printer

- Molding Tech: FDM(Fused Deposition Molding)
- Printing Size: 300*300*350mm
- Printing Speed: ≤100mm/s
- Precision: ±0.1mm
- Slice Thickness: 0.1mm-0.4mm
- Nozzle Diameter: Standard 0.4mm,can be in 0.2,0.3mm
- Fliament: 1.75mm,ABS，PLA，HIPS ect.
- Bed Temp: ≤110°C
- Working Mode: Online or TF card offline
- File Format: STL,OBJ,AMF
- Slice Software: Cura
- Power Supply: 115V/230V AC/360W
- Price:

- Large printing size 300*300*350mm, large enough to satisfy your creativity.
- Aluminum substrate heatbed comes with a glass panel, printing is smooth without sharp edge and the model is easy to remove.
- Added automatically loading and unloading filament function, which is ver easy to add or exchange filament.
- The tightnessof Z axis and Y axis belts can be freely adjusted and are more convenient to use.
- Added designs of over-current protection and short-circuit protection, with smaller current configuration, and it is safe and reliable.

BD-3DP06



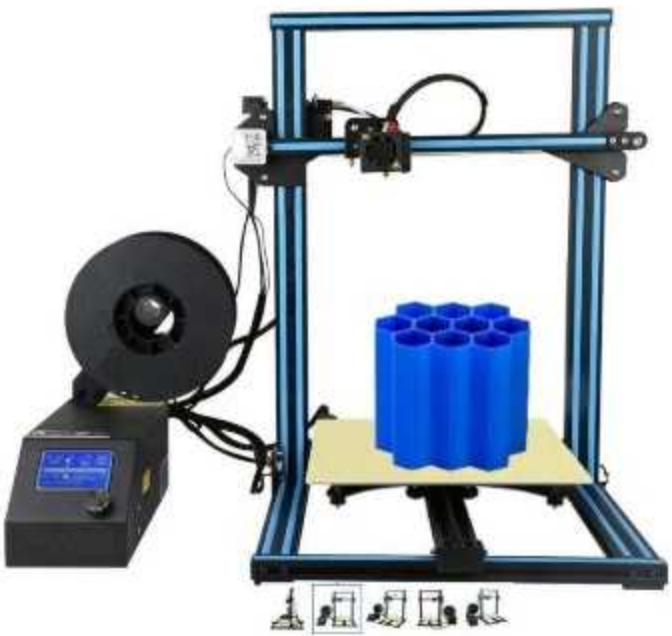


Full metal Intelligent 3D printer fighter

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	305*305*320mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1-0.3mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm, PLA, Wood PLA, TPU, ABS
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura/Repetier-Host
Power Supply:	220V/110V 250W
Price:	

- Intellective large touch screen control: Provides better 3D printing user experience. Semiautomatic leveling control.
- Full metal frame and modular design, simple stallation steops, new user could assemble it in 5 minutes.
- Fully intelligent leveling system, one button pressing on the screen to lift and lower automatically.
- **Resume printing while power-off:** the motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **The Automatic Material Recognition system** saves time and effort with material information and print profiles preloaded on each reel to let you start printing straight away. It wil give warming before the filament run out in 1 hour.

BD-3DP07



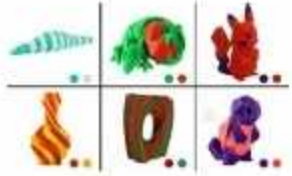
Large printing size DIY 3d printer kits

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm **(400*400*400, 500*500*500, 300*220*300 is optional)**
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color,carbon fiber,etc
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input100-120V/200-240V,DCoutput: 24V 270W
Price:	

- **Resume printing while power-off:** The motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **Broken material detection:** when the filament runs out or disconnected, the printer will atomatically suspended to ensure the model can be smoothly printed.
- Linear pulley system: patented technology, V-profile + precision pulley with perfect,running more smoothly, more wear-resistant. Effectively reduce noise.
- Mk10 Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.

BD-3DP08



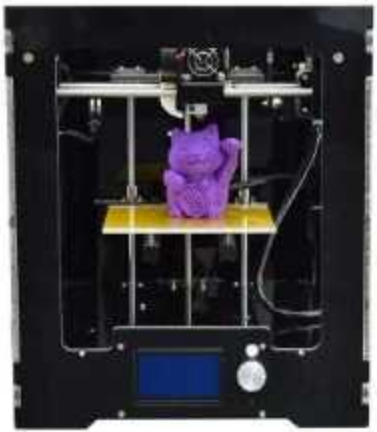


Dual extrusion 3d printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color,carbon fiber,etc
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V, DCoutput: 24V 480W
Price:	

- **Two-color printing:** Double-injection and one-out nozzle design.Two filaments,two extruders, one nozzle.
- Integrated design: The exterior design of the profiled sheet metal base is used to store most of the electronic components in the sheet metal bottom case.
- 4.3-inch colorful touch screen: User-friendly UI design, with sound prompts, perfect human-machine dialogue function, to bring users an unprecedented intelligent operating experience.
- Carboloy silicon printing platform: No need to use glue, perfect bonding with filaments at 60℃, Reduce adhesion after cooling, the model and platform are easy to separate, and the model is easy to remove.
- larger power supply: use well-known mean well large power supply,only needs 6 minutes to heat the hot bed to 100℃

BD-3DP09





Cost-effective MINI box Printer

- Molding Tech: FDM(Fused Deposition Molding)
- Printing Size: 160*160*150mm
- Printing Speed: ≤100mm/s
- Precision: ±0.1mm
- Slice Thickness: 0.1mm-0.4mm
- Nozzle Diameter: Standard 0.4mm,can be in 0.2,0.3mm
- Fliament: 1.75mm,ABS，PLA，HIPS ect.
- Bed Temp: ≤110°C
- Working Mode: Online or TF card offline
- File Format: STL,OBJ,AMF
- Slice Software: Cura
- Power Supply: 220V/110V 250W
- Price:

- FDM assembled model, plug and play
- Mini Size, Light and portable
- Support 0.1mm printing layer thickness
- Easy to do offline printing from 12864 large LCD display with one touch knob
- Support 0.1mm printing layer thickness

BD-3DP010



Smart UV curing 3D printer

- Molding Tech: FDM(Fused Deposition Molding)
- Printing Size: 120*65*138mm
- Printing Speed: ≤100mm/s
- Precision: ±0.04mm
- Slice Thickness: 40-100μm
- Nozzle Diameter: Standard 0.4mm,can be in 0.2,0.3mm
- Fliament: Photosensitive resin
- Bed Temp: ≤110°C
- Working Mode: Online or TF card offline
- File Format: Custom format .N4
- Slice Software: AIPrint
- Power Supply: 110-240V AC 35W
- Price:

- The software automatically identifies and corrects the incorrect STL model file, outputs the correct printing file, and avoids printing failure due to model intersection, hole breaking and other errors.
- AIPrint is filled with honeycomb structure, Solid model saves more than 50% of material，which not only saves materials, but also ensures the structural strength of the model.
- Die-casting aluminium alloy base, one-piece forming, external screw-free design, fashionable appearance, stable and durable, to ensure printing accuracy;
- 3.5 inch high definition touch screen, easy to operate； LCD 3D printer, the precision is up to 40um;

BD-3DP011





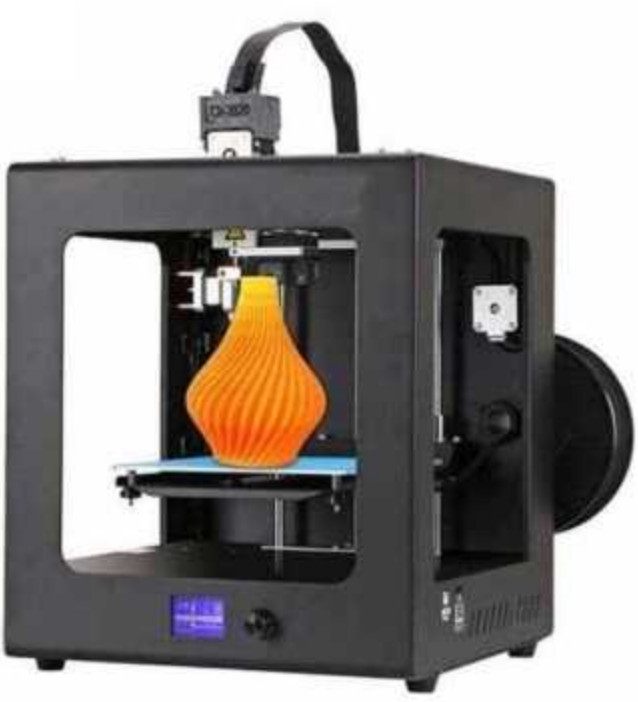


Desktop delta 3D printer

- Molding Tech: FDM(Fused Deposition Molding)
- Printing Size: Φ190*190mm
- Printing Speed: ≤100mm/s
- Precision: ±0.1mm
- Slice Thickness: 0.1mm-0.4mm
- Nozzle Diameter: Standard 0.4mm,can be in 0.2,0.3mm
- Fliament: 1.75mm,ABS，PLA，HIPS ect.
- Bed Temp: ≤110°C
- Working Mode: Online or TF card offline
- File Format: STL,OBJ,AMF
- Slice Software: Cura/Repetier-host
- Power Supply: 220V/110V 250W
- Price:

- Adopt 2.8 inch color touch screen, resumption after power reset, ulti-language, detection of lack of filament and other functions.
- Auto leving, easy to operate, say byebye to tedious process of manual leveling and quikcly enter the printing work state.
- **Resume printing while power-off:** the motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **Broken material detection:** when the filament runs out or disconnected, the printer will atomatically suspended to ensure the model can be smoothly printed.
- The print head is designed with circular array hole cooling which makes the printed object surface fine and glossy.
- Fliament interior design, which makes the machine more convenient and simple.

BD-3DP012



High precision printer for Education market

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	200*200*200mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color,carbon fiber,etc
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input100-120V/200-240V,DCoutput: 24V 200W
Price:	

- **Resume printing while power-off:** The motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **Broken material detection:** when the filament runs out or disconnected, the printer will atomatically suspended to ensure the model can be smoothly printed.
- Professional 3D priner for educational market.
- High-quality hardware: Imported originals in many places,lower noise, and perfect printing.

BD-3DP013



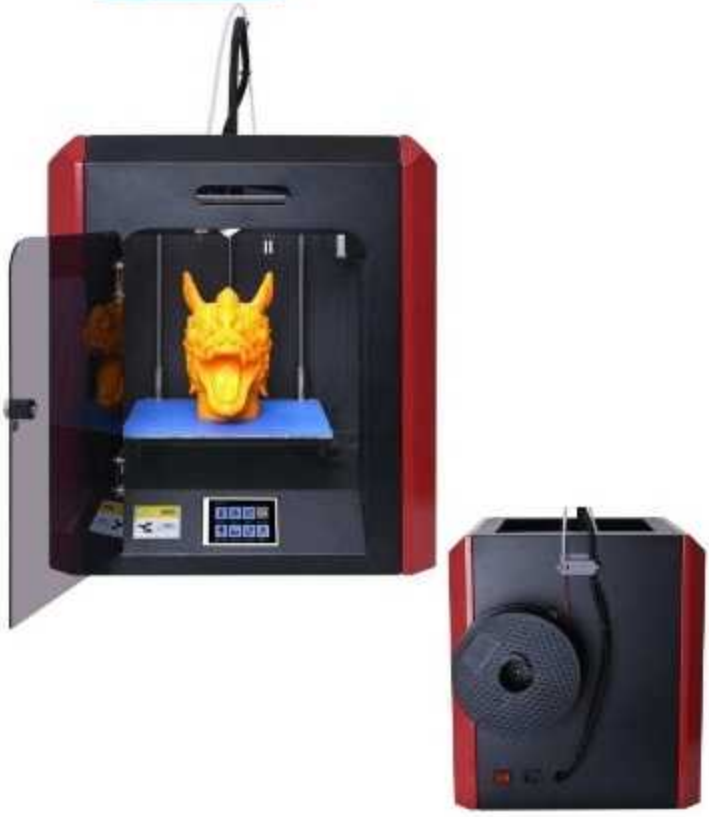


Fully enclosed Box 3D printer fighter

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*220*220mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.05-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm, PLA/ABS/TPU/HIPS/PETG/Wood/Carbon Fiber/Z-Marble/Twinkling/Silky
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura/Repetier-Host
Power Supply:	220V/110V 250W
Price:	

- Totally enclosed thermostatic system. Fully enclosed space, constant temperature, not easy to be edge warping.
- Detachable platform, Aluminum + removable glass platform. Make the printing more smooth and the model easy to be removed.
- Auto Intelligent leveling, Four-point auxiliary platform calibration
- **Resume printing while power-off:** the motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **Broken material detection:** when the filament runs out or disconnected, the printer will atomatically suspended to ensure the model can be smoothly printed.

BD-3DP014



Colorful Box 3D printer fighter

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	200*200*200mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.05-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm, PLA/ABS/TPU/HIPS/PETG/Wood/Carbon Fiber/Z-Marble/Twinkling/Silky
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura/Repetier-Host
Power Supply:	220V/110V 250W
Price:	

- Patent separation portfolio structure, Easy disassembly and assembly,reduce maintenance cost a lot.
- Patent Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.
- Tilting display design, Color touch screen, tilt design, comfortable to use
- **Resume printing while power-off:** the motherboard is fully upgraded and supports continous power failure, which effectively reduces model scrapping caused by power outages.
- **Broken material detection:** when the filament runs out or disconnected, the printer will atomatically suspended to ensure the model can be smoothly printed.

PRINT YOUR DREAMS INTO REALITY



Your Professional Manufacturer of 3D Printer

CATALOGUE

UV-LCD FDM

- 3D Printing Pen
- Rays
- Rays-L
- E-one
- Tiny
- Tiny+
- Mini
- Mini+
- T-one
- Nova
- Plus
- Max

CE FC RoHS

ISO9001:2000

Product Previews

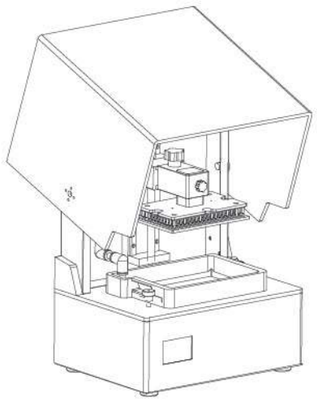
UV-LCD



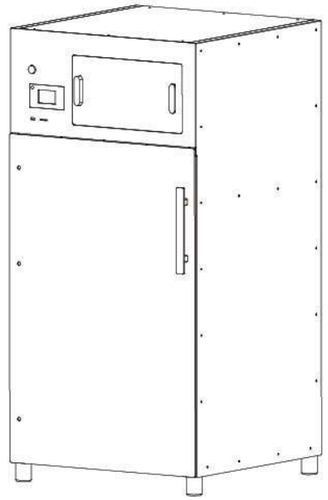
Rays



Rays-L



Rays-XL



Rays-XXL

FDM



3D Printing Pen



E-one



Tiny



Tiny+



Mini



Mini+



T-one

Nova



Plus

Max





Product Summary

FDM

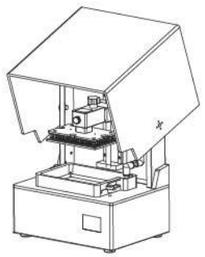
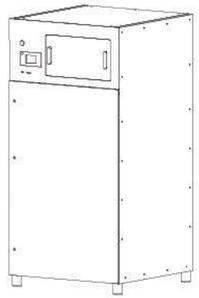


Model Type	E-one	Tiny	Tiny+	Mini	Mini+	T-one	Nova	Plus	Max(Industrial Level)
Dimension (mm)	660*500*380mm	200*200*275mm	240*270*380mm	305*310*425mm	395*400*425mm	396*400*425mm	480*480*640mm	560*560*760mm	825*865*1575mm
Build volume W*D*H(mm)	300*300*400mm	100*100*100mm	120*120*150mm	120*120*150mm	200*200*150mm	200*200*150mm	280*280*300mm	360*360*400mm	600*580*700mm
Print Technology	FDM	FDM	FDM	FDM	FDM	FDM	FDM	FDM	FDM
Print Chamber	open	open	open	open	open/ Fully enclosed	open/ Fully enclosed	open/ Fully enclosed	Fully enclosed	Fully enclosed
Net Weight (kg)	15.5kg	5kg	6kg	18kg	22kg	21kg	44kg	63kg	180kg
No. of head	1	1	1	1	1	2 in 1 out	1	1	1
Nozzle Dia.(mm)	0.2/0.3/0.4mm	0.2/0.3/0.4mm	0.2/0.3/0.4mm	0.2/0.3/0.4mm	0.2/0.3/0.4mm	0.4mm	0.2/0.3/0.4mm	0.4/0.8mm	0.4/0.8/1.2mm
Layer Thickness	100-300microns	100-300microns	100-300microns	50-300microns	50-300microns	50-300microns	50-300microns	50-300microns	100-300microns
Print Accuracy	±200microns	±100microns	±100microns	±100microns	±100microns	±100microns	±100microns	±100microns	±100microns
Filament Dia.	1.75mm	1.75mm	1.75mm	1.75mm	1.75mm	1.75mm	1.75mm	1.75mm	1.75mm/3mm
Print Temp.	Max. 260°C	Max. 260°C	Max. 260°C	Max. 260°C	Max. 260°C	Max. 260°C	Max. 260°C	Max. 260°C / Max. 400°C	Max. 260°C / Max. 400°C
Heated Bed	Max. 120°C	NA	NA	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C
Print Speed	20~200mm/s	20~200mm/s	20~200mm/s	20~300mm/s	20~300mm/s	20~300mm/s	20~300mm/s	20~300mm/s	20~300mm/s
Slicing Software	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower	Version "cura 4.1" or lower
Connectivity	SD Card	TF Card	TF Card	SD Card	SD Card	SD Card	SD Card	SD Card / USB	SD Card / USB
Material Support	PLA	PLA	PLA	PLA, ABS, PETG, TPU, Wood, HIPS, Nylon, ePA-CF(20%Carbon Fiber), Bronze, Copper, Steel, Pearl, Aluminium, PEEK and more					
File Input Format	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode	AMF/STL/OBJ/gcode
Power Supply	100-240V,500W	100-240V,65W	100-240V,65W	100-240V, 250W	100-240V, 320W	100-240V, 320W	100-240V, 500W	100-240V, 600W	100-240V, 2000W
Software Compatibility	Windows 7 or later, Mac OS 10.6.8 or later				Windows 7 or later, Mac OS 10.6.8 or later				
Touch Screen	3.5" touch screen	2.8" touch screen	2.8" touch screen	3.5" touch screen	3.5" touch screen	3.5" touch screen	3.5" touch screen	5" touch screen	5" touch screen
XY Positioning Accuracy	10microns	10microns	10microns	10microns	10microns	10microns	10microns	10microns	10microns
Stepping Motor(X, Y, Z/pcs)	X , Y , Z axis/ 1, 1, 2pcs	X , Y , Z axis/ 1, 1, 1pcs	X , Y , Z axis/ 1, 1, 1pcs	X , Y , Z axis/ 1, 1, 1pcs	X , Y , Z axis/ 1, 1, 1pcs	X , Y , Z axis/ 1, 1, 1pcs	X , Y , Z axis/ 1, 2, 2pcs	X , Y , Z axis/ 1, 2, 2pcs	X , Y , Z axis/ 1, 2, 2pcs

Product Summary

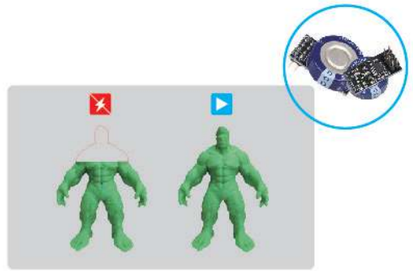
☆ UV-LCD



Model Type	Rays	Rays-L	Rays-XL	Rays-XXL
LCD Dimension	5.5”	8.9”	10.1”	13.3”
Dimension (mm)	200*200*450mm	410*310*590mm	510*410*590mm	600*600*1500mm
Build volume W*D*H(mm)	120*67*160mm	190*120*250mm	210*130*250mm	290*170*350mm
Print Technology	UV-LCD	UV-LCD	UV-LCD	UV-LCD
Print Chamber	Fully enclosed	Fully enclosed	Fully enclosed	Fully enclosed
Net Weight (kg)	9kg	/	/	/
Layer Thickness	25/50microns	25/50microns	25/50microns	25/50microns
XY Resolution	47microns	75microns	84.6microns	76.5microns
Light	405nm UV LED Light	405nm UV LED Light	405nm UV LED Light	405nm UV LED Light
Build Platform	Aluminum	Aluminum	Aluminum	Aluminum
Print Speed	10~35mm/h	10~35mm/h	10~35mm/h	10~35mm/h
Slicing Software	Chitu Slicer	Chitu Slicer	Chitu Slicer	Chitu Slicer
Connectivity	USB	USB	USB	USB
Material Support	Photopolymer Resin	Photopolymer Resin	Photopolymer Resin	Photopolymer Resin
File Input Format	STL	STL	STL	STL
Power Supply	60W	250W	250W	500W
Software Compatibility	Windows 7 or later, Mac OS 10.6.8 or later			
Touch Screen	3.5” touch screen	3.5" touch screen	3.5" touch screen	4.3" touch screen
Stepping Motor(X, Y, Z/pcs)	--12mm ball screw --Dual industrial linear guide	--16mm ball screw --Dual industrial linear guide	--16mm ball screw --Dual industrial linear guide	--Dual ball screw --Dual industrial linear guide
Resolution Unit	2560*1440 pixel	2560*1600 pixel	2560*1600pixel	3840*2160 pixel

Added value function



Resume printing function after power interruption.



WIFI module is available.



Silent stepper motor driver based on "TMC2208".

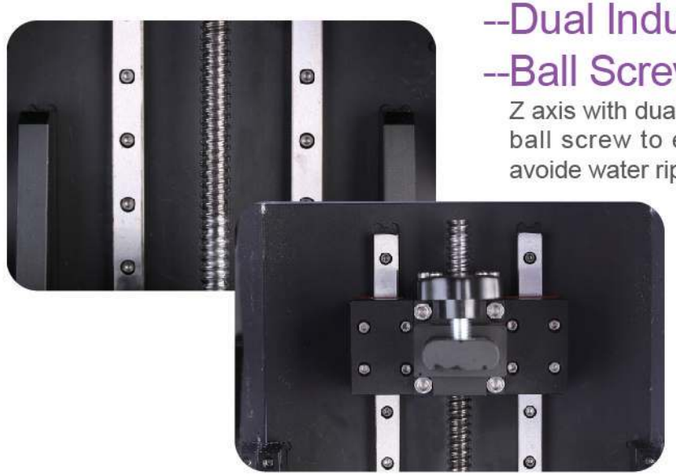


Filament run out sensor.



Top cover & the front door is available as spare parts.

Unique features



--Dual Industrial Level Linear Guide
--Ball Screw

Z axis with dual industial level linear guide and ball screw to ensure stable movement and avoide water ripples during printing.

Advanced Mainboard

We develope the advanced mainboard, unlike the normal Raspberry Pi mainboard in the market, the new one features with singlechip control system to ensure the long life-time, durability and no need to change the internal flash memory time to time.





Professional Light Design

The professional light distribution makes sure the uniformity of UV light, achieving the perfect details and accuray.

User-friendly Levelling Design

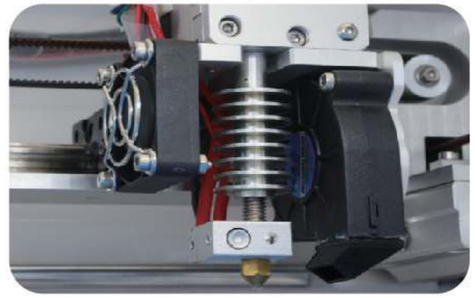
The user can do the levelling easily within seconds, simply adjusts 4 screws.

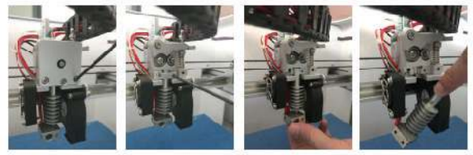


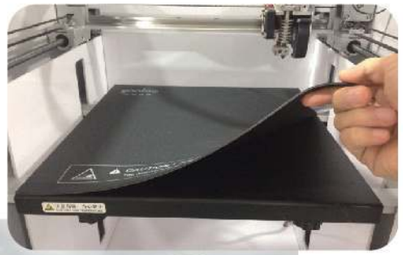
Unique features

Patented Modular Extruder

--Gear feeder with special feed inlet guiding port to make sure the filament feeding in right direction for long time printing.
--Easy removal of extruder also the radiating pipe for cleaning with low maintenance.
--Extended radiating pipe with better cooling performance and available for ultra-high temperature 400℃ extruder.









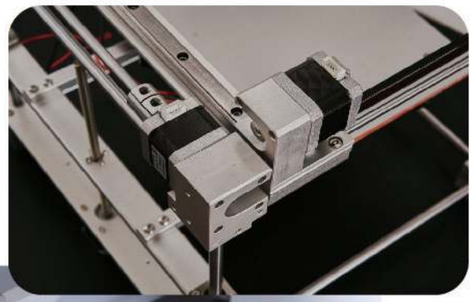
Flexible Magnetic BuildMat

--Patented flexible magnetic BuildMat,allowing optimal printing surface and stable printing process, also easy removal of the finished prints, no need for glue or tape and no any tools required.



Full Aluminum Alloy Construction

--Full metal body structure and moving parts,made by high precision CNC,and ensuring stable accurate printing.



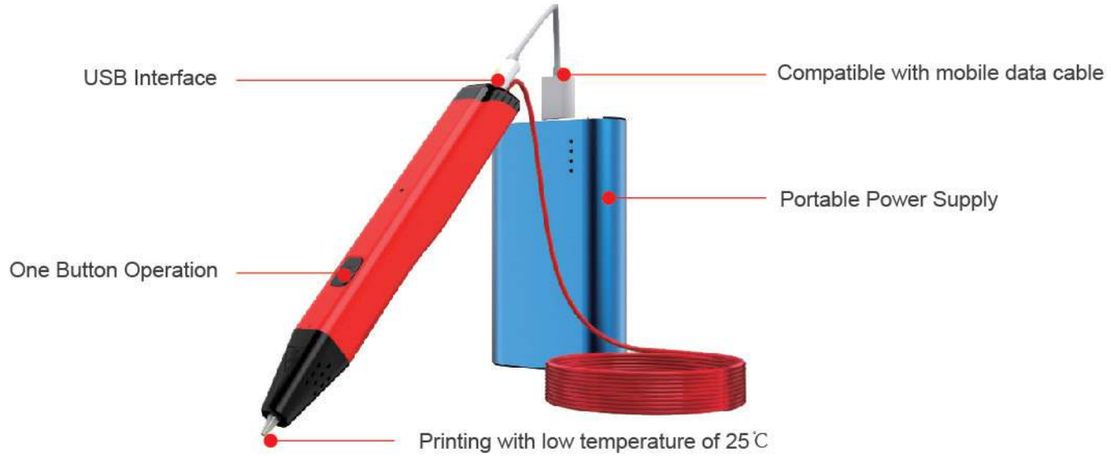
Industrial Level Linear Guide

--Combined type industrial level linear guide ensures stable printing also micron level precision control.



3D Printing Pen

Draw Your Dream



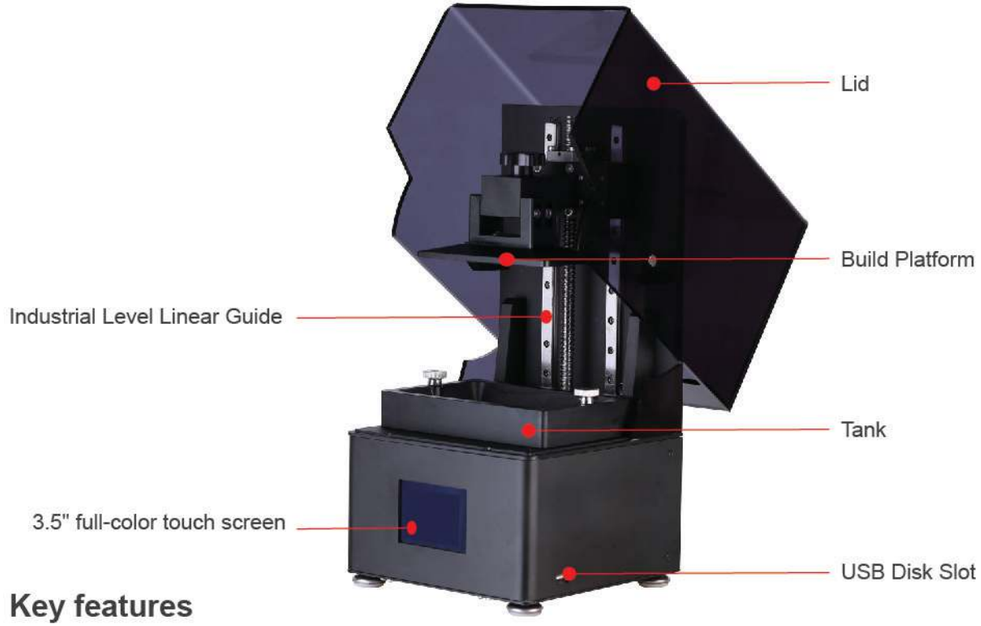
Key features

--Slim build
--Comfortable Design
--Stylish appearance & five color to choose
--One button operation
--More safe with low printing temperature
--USB interface
--Portable power supply

Dimension	Material Support	Print Speed
140x15x16mm	ϕ 1.75mm PCL	0-120cm/min
Heating Temperature	**Print Head Temperature**	**Nozzle Diameter**
80℃	Below 25℃	0.6mm

Rays

Extreme Precision, Superb Technology



Key features

Easy Usage

_3.5” Full color touch screen, realizes the real off-line printing.
_The user can do the levelling easily within seconds, simply adjusts 4 screws.

Stable Quality

_Full body with aircraft-grade aluminum makes it as durability and attractive-looking machine.
_We develop the advanced mainboard, unlike the normal Raspberry Pi mainboard in the market, the new one features with singlechip control system to ensure the long life-time, durability and no need to change the internal flash memory time to time.
_Unique LED-UV control system, which is helpful to maximize the life-span of LCD screen.

High Accuracy

_Z axis with double industrial level linear guide and ball screw to ensure stable&precision movement and avoid water ripples during printing.
_The professional light distribution makes sure the uniformity of UV light, achieving the perfect details and accuracy.

Dimension	Material Support	Print Technology	Layer Thickness
200x200x450mm	Photopolymer resin	UV-LCD	25/50microns
Build volume	**Print Speed**	**File input Format**	**XY Resolution**
120x67x160mm	10~35mm/h	STL	47microns
Resolution Unit	**Light**	**Slicing software**	**Software compatibility**
2560*1440 pixel	405 nm UV LED Light	Chitu Slicer	Windows 7 or later Mac OS 10.6.8 or later

Rays-L

Extreme Precision,Big creation



Key features

_3.5” Full color touch screen, realizes the real off-line printing.
_The user can do the levelling easily within seconds, simply adjusts 4 screws.
_The bigger build volume with the highest accuracy
_Pneumatic automatic feeding system
_Integrated demoulding build platform, no any scrapper or tools needed.
_Flat UV light of matrix lens.
_Z axis with ball screw and dual industrial level linear guide.
_The tank is designed as fast detachable type, convenient for cleaning/maintenance within seconds.
_Intelligent slicing software

Dimension	Material Support	Print Technology	Layer Thickness
410x310x590mm	Photopolymer resin	UV-LCD	25/50microns
Build volume	Print Speed	File input Format	XY Resolution
190x120x250mm	10~35mm/h	STL	75microns
Resolution Unit	Light	Slicing software	Software compatibility
2560*1600 pixel	405 nm UV LED Light	Chitu Slicer	Windows 7 or later Mac OS 10.6.8 or later

E-one

Economy, Utility



Key features

Easy Usage

--3.5” touch screen interface: Intuitive, well-organized navigation menu.
--The user only need to install Z axis in XY platform, and finish the whole assembly easily within 10 minutes.

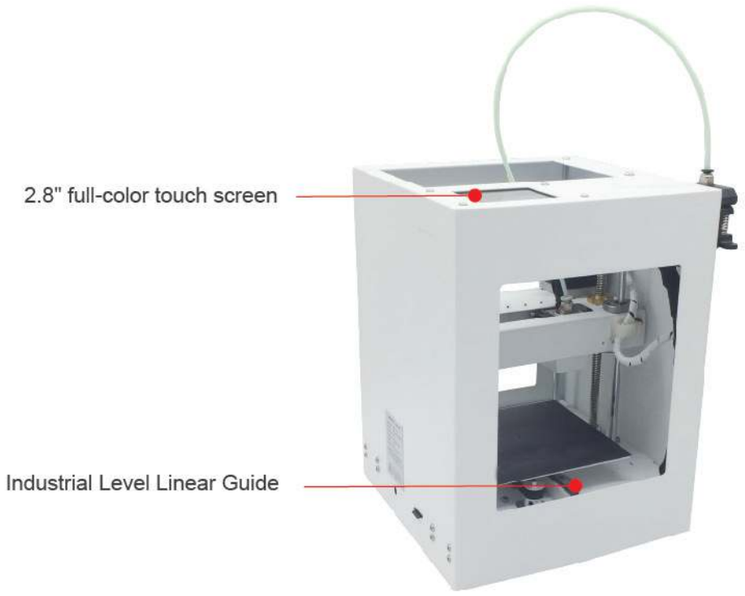
High Accuracy

--Dual Z motors ensure stable and precise movement control, getting perfect accuracy.

Dimension	Material Support	Connectivity	Heated bed
660x500x380mm	PLA	SD Card	Max120℃
Build volume	Print Accuracy	File input Format	Print Temperature
300x300x400mm	±200μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	Nozzle Diameter	Slicing software	Software compatibility
FDM	ϕ 0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

Tiny

Build Big World with Micro Idea



Key features

Safe & Easy Usage

--Non-heated build platform, and no need to do the levelling.

--Full cover of the extruder to prevent the chirldren from touching the print head.

--2.8" touch screen interface: Intuitive, well-organized navigation menu.

--Light and compact design, easy-to-carry for wherever you want.

--Patented flexible magnetic BuildMat: Easy removal of finished prints, no any tools needed.

Stable Quality

--Even though goofoo Tiny is designed with the smallest build volume, it still comes with full metal body structure also industrial level guide rail.

High Accuracy

--The solid structure and the high quality industrial components ensure the printing with perfect accuracy.

Dimension	Material Support	Connectivity	Heated bed
200x200x275mm	PLA	TF Card	/
Build volume	**Print Accuracy**	**File input Format**	**Print Temperature**
100x100x100mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	**Nozzle Diameter**	**Slicing software**	**Software compatibility**
FDM	ϕ 0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

Tiny+



Key features

--2.8" touch screen interface: Intuitive, well-organized navigation menu.

--Light and compact design, easy-to-carry for wherever you want.

--Patented flexible magnetic BuildMat: Easy removal of finished prints, no any tools needed.

--The bigger build volume with the high cost performance.

Dimension	Material Support	Connectivity	Heated bed
240x270x380mm	PLA	TF Card	/
Build volume	**Print Accuracy**	**File input Format**	**Print Temperature**
120x120x150mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	**Nozzle Diameter**	**Slicing software**	**Software compatibility**
FDM	ϕ 0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

mini

Small size,Big creation



Key features

Easy Usage

--3.5" touch screen interface: Intuitive, well-organized navigation menu.

--Patented flexible magnetic BuildMat: Easy removal of finished prints, no any tools needed.

--Patented modular extruder: The user can easily remove the extruder for cleaning and maintanence.

Stable Quality

--Full aluminum alloy body structure and CNC technics position parts.

--Industrial level linear guide.

High Accuracy

--The solid structure and the high quality industrial components ensure the printing in high quality with perfect accuracy.

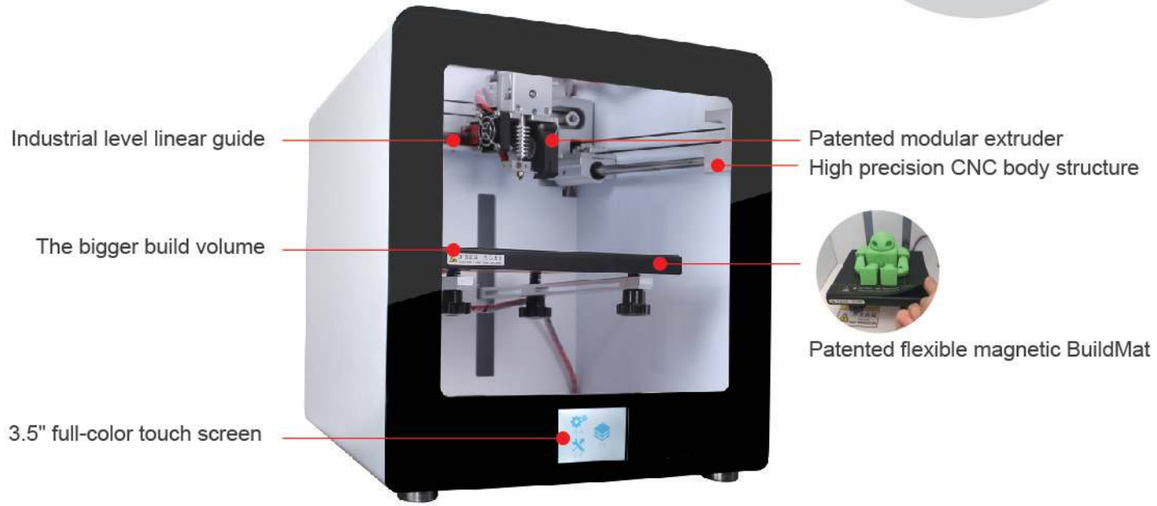
Dimension	Material Support	Connectivity	Heated bed
305x310x425mm	PLA/ABS/PETG/TPU/Wood	SD Card	Max120℃
Build volume	Print Accuracy	File input Format	Print Temperature
120x120x150mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	Nozzle Diameter	Slicing software	Software compatibility
FDM	ϕ 0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

mini+

Originality,Classic,Extraordinary

★ Gold Award 2018 in the 1st FDM 3D printer competition in China:
--Extreme Precision Challenge
--Extreme Dimension Challenge
--Comprehensive Performance Award





Key features

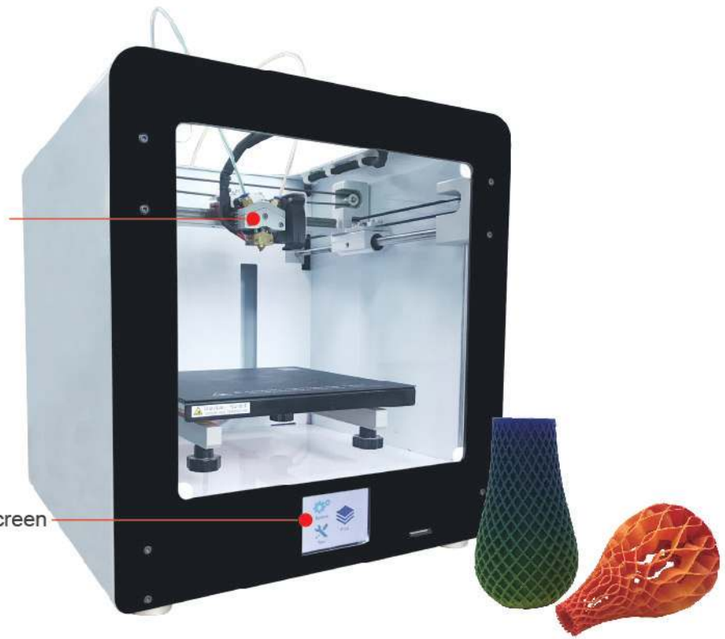
Higher Cost Performance

--Make choice on the open or fully enclosed build chamber, just according to your needs.

--Maintain good performance on reliability, stability and high accuracy, goofoo mini+ is upgraded in bigger build volume compared with goofoo mini.

Dimension	Material Support	Connectivity	Heated bed
395x400x425mm	PLA/ABS/PETG/TPU/Wood	SD Card	Max120℃
Build volume	Print Accuracy	File input Format	Print Temperature
200x200x150mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	Nozzle Diameter	Slicing software	Software compatibility
FDM	ϕ 0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

T-one



Key features

--The modular extruder can be replaced in any kinds of goofoo printers, meaning you can choose any build volume as you need.

--Unique design of 2 in 1 out extruder, which ensure smooth filament feeding, no any leakage or clogging during printing.

--The user can realize dual color or mix color printing.

Dimension	Material Support	Connectivity	Heated bed
396x400x425mm	PLA/ABS/PETG/TPU/Wood	SD Card	Max120℃
Build volume	Printing Accuracy	File input Format	Print Temperature
200x200x150mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	Nozzle Diameter	Slicing software	Software compatibility
FDM	ϕ0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

Nova

Reliability,High-Efficiency,Easy-usage







Quick dismantling type printing head

Key features

Easy Usage

--3.5" touch screen interface: Intuitive, well-organized navigation menu.

--Patented flexible magnetic BuildMat: Easy removal of finished prints, no any tools needed.

Easy maintenance

--Patented modular extruder: The user can easily remove the extruder for cleaning and maintanence.

Stable Quality

--Filament runout detection also power failure recovery ensure the smooth printing process with stable quality.

--Full Aluminum alloy body constructure.

--Industrial Level linear guide.

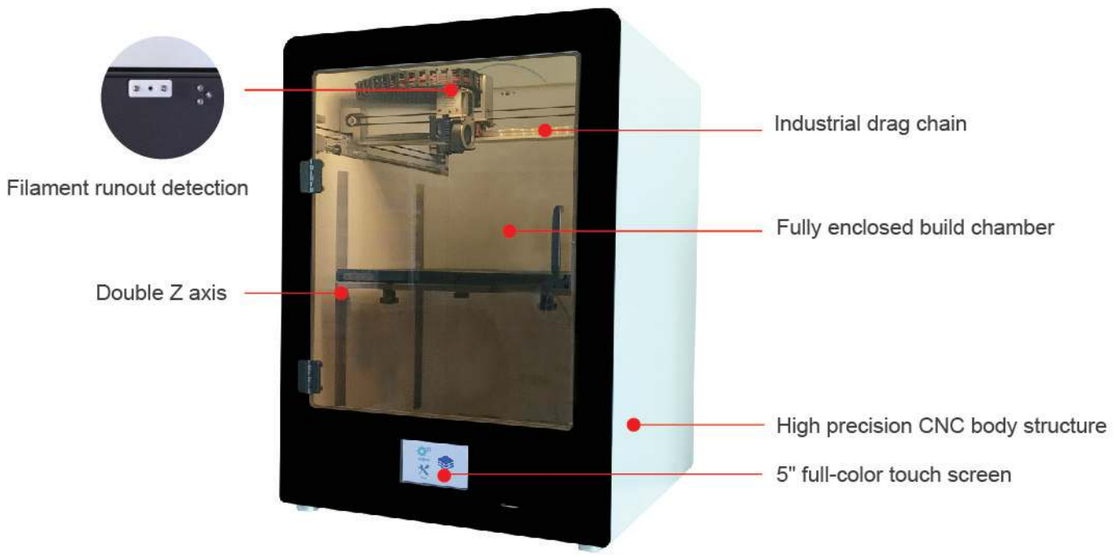
High Accuracy

--The solid structure and the high quality industrial components ensure the printing in high quality with perfect accuracy.

Dimension	Material Support	Connectivity	Heated bed
480x480x640mm	PLA/ABS/PETG/TPU/Wood	SD Card	Max120℃
Build volume	Printing Accuracy	File input Format	Print Temperature
280x280x300mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃
Print Technology	Nozzle Diameter	Slicing software	Software compatibility
FDM	ϕ0.2/0.3/0.4mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

plus

Safety,Health,Environmental



Key features

Easy Usage

--5" touch screen interface: Intuitive, well-organized navigation menu.

--Patented flexible magnetic BuildMat: Easy removal of finished prints, no any tools needed.

Easy maintenance

--Patented modular extruder: The user can easily remove the extruder for cleaning and maintanence.

Stable Quality

--Filament runout detection also power failure recovery ensure the smooth printing process with stable quality.

--Fully enclosed build chamber ensures stable printing for a long time with constant temperature.

High Accuracy

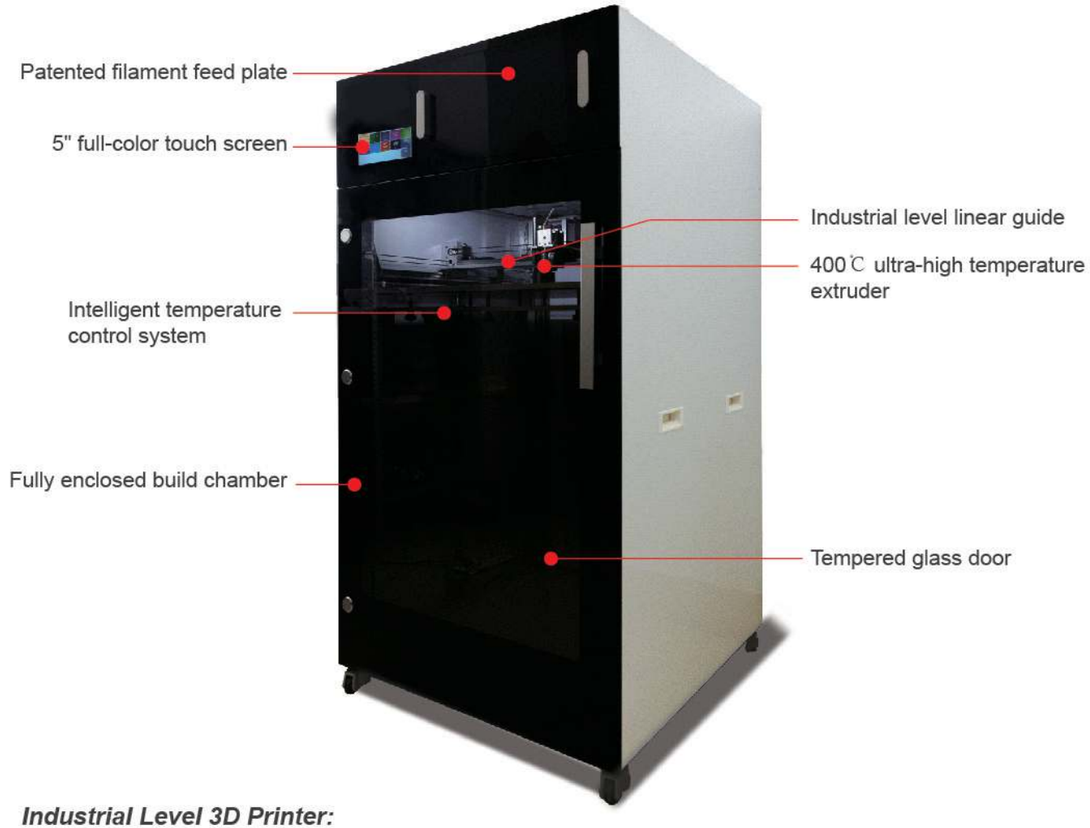
--The solid structure and the high quality industrial components ensure the printing in high quality with perfect accuracy.

--High precision hardware and advanced goofoo software tweaking make it possible to print large objects with great detail.

Dimension	Material Support	Connectivity	Heated bed
560x560x760mm	PLA/ABS/PA/PEEK...	SD Card/USB	Max120℃
Build volume	**Print Accuracy**	**File input Format**	**Print Temperature**
360x360x400mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃/400℃
Print Technology	**Nozzle Diameter**	**Slicing software**	**Software compatibility**
FDM	ϕ0.4/0.8mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

Max

Big size,Great wisdom



Industrial Level 3D Printer:

--The solid structure and the high quality industrial components realize to print the largest objects with great detail.

--All metal hot end is capable of printing at 400℃ suitable for a wide range of filament.

Stable Quality

--Filament runout detection also remote monitoring ensure the smooth printing process with stable quality.

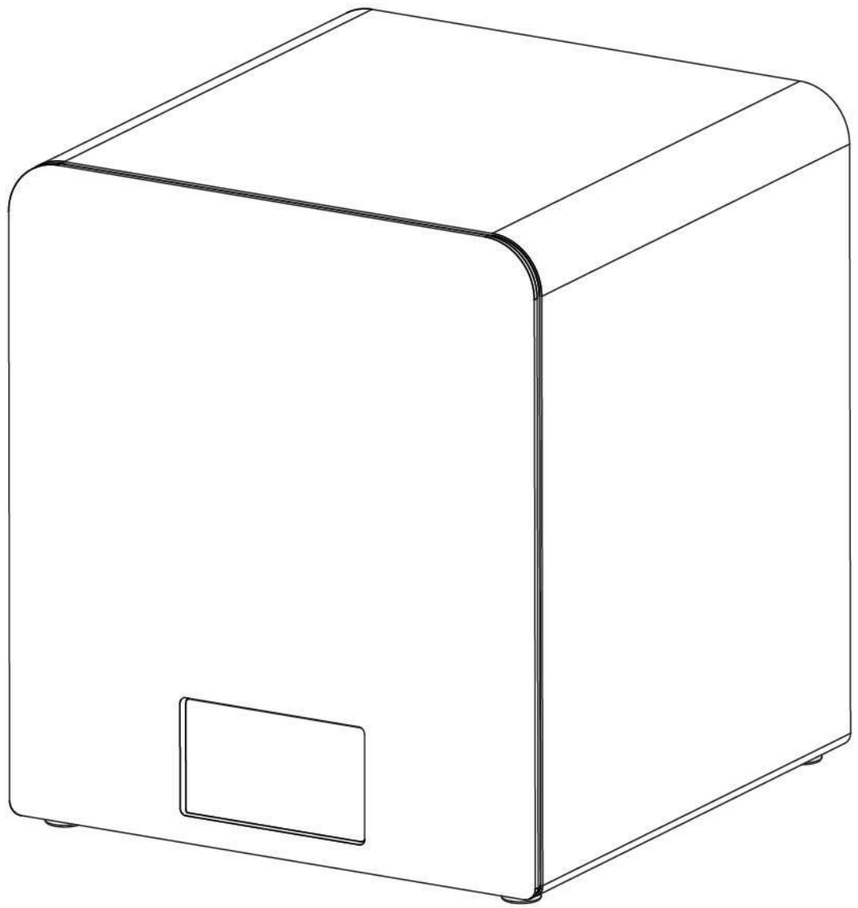
--It ensures the users highly reliable print quality through enclosed build chamber and precision movement control.

--It realizes stable printing for a long time through intelligent temperature control system.

Dimension	Material Support	Connectivity	Heated bed/Ambient Temp.
825x865x1575mm	PLA/ABS/PA/PEEK...	SD Card/USB	Max120℃
Build volume	**Print Accuracy**	**File input Format**	**Print Temperature**
600x580x700mm	±100μm	AMF/STL/OBJ/gcode	Max 260℃/400℃
Print Technology	**Nozzle Diameter**	**Slicing software**	**Software compatibility**
FDM	ϕ0.4/0.8/1.2mm	Version "cura 4.1" or lower	Windows 7 or later Mac OS 10.6.8 or later

Unique Advantage

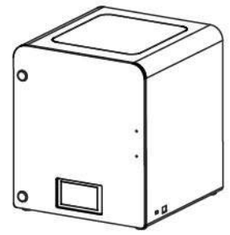
OEM + Customization



Customized Build Volume

Optional hardware functionality

Slicing software development



+



+



3D Printer

Ethernet

Cloud platform



Quad core CPU



Camera (500W)
Video monitoring and recording



Mobil APP
3D Model shop



NFC (IC card reader)
Filament detection



USB Hub
Available for 20pcs



Cloud slicing in background



USB 3.0



WiFi

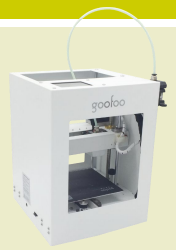
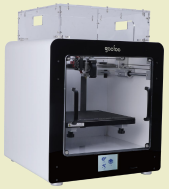
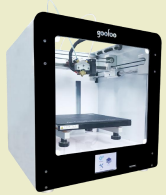
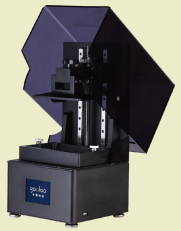
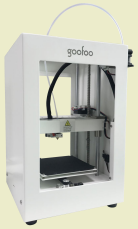
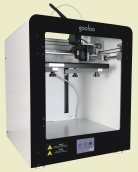
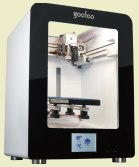


Remote monitoring and
controlling

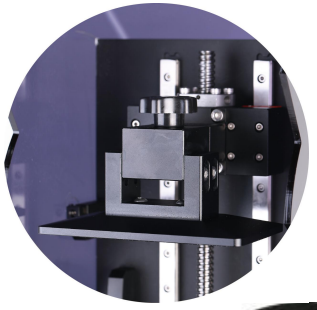
E-Catalog of 3D Printer



Application of 3D printers

Kids	DIY	Education, Home	Office, Design	Industry	Creative	Jewelry, Dentistry
		 *Award winning*			 *Multi-color printing*	
Tiny Build volume: 100*100*100mm	**E-one** Build volume: 300*300*400mm	**Mini+** Build volume: 200*200*150mm	**Nova** Build volume: 280*280*300mm	**Max** Build volume: 600*580*700mm	**T-one** Build volume: 200*200*150	**Rays_UV LCD** Build volume: 120*67*160mm
 *High cost performance*		 *Automatic leveling*				
Tiny+ Build volume: 120*120*190mm		**Mido** Build volume: 200*200*200mm	**Plus** Build volume: 360*360*400mm			**Rays-L_UV LCD** Build volume: 190*120*250mm
						
		Mini Build volume: 120*120*150mm				

UV-LCD







Rays

Build Volume: 120*67*160mm

- **Printing**
- Print Technology: UV-LCD
- Layer Thickness: 25 / 50microns
- Print Accuracy: 47microns
- Light: 405nm UV LED Light
- Printing Speed: 10 - 35mm/h, 4.5 - 6 seconds each layer.
- Material Support: Photopolymer Resin
- Easy to use: 3.5” Touch Screen
- Resolution Unit: 2560*1440 pixel

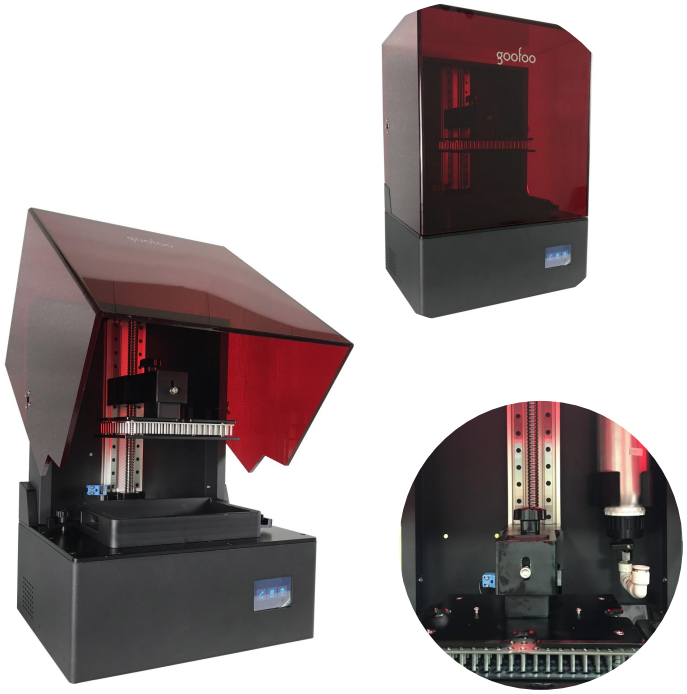
- **Temperature**
- Ambient Operation Temperature: 18 degrees-28 degrees

- **Software**
- Slicer Software: Chitu slicer
- File Input Format: .STL
- Connectivity: USB disk, USB cable

- **Electrical**
- Input Rate: 24V, 65W

>--Full metal body with CNC technics parts of aluminum alloy;
>--Z axis with dual industrial level linear guide and 1pcs of ball screw to ensure stable & precision movement and avoide any water ripples during printing;
>--Matrix LED array ensures the uniform light distribution, which comes with uniform energy distribution and is helpful to shorten the curing time;
>--Sharp 5.5" 2K screen of 4th generation: the high temperature resistance is up to 105, ensuring the long life time.

UV-LCD



Rays-L
Build Volume: 190*120*250mm

- **Printing**
- Print Technology: UV-LCD
- Layer Thickness: 25 / 50microns
- Print Accuracy: 75microns
- Light: 405nm UV LED Light
- Printing Speed: 10 - 35mm/h, 4.5 - 6 seconds each layer.
- Material Support: Photopolymer Resin
- Easy to use: 3.5” Touch Screen
- Resolution Unit: 2560*1600 pixel

- **Temperature**
- Ambient Operation Temperature: 18 degrees-28 degrees

- **Software**
- Slicer Software: Chitu slicer
- File Input Format: .STL
- Connectivity: USB disk

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 250W

>--The big build volume with the highest accuracy;
>--Integrated demoulding build platform, no any scrapper or tools needed;
>--An automatic feeding system utilizing the change of air pressure;
>--Z axis with dual industrial level linear guide and 1pcs of ball screw to ensure stable & precision movement and avoide any water ripples during printing;
>--Full metal body and CNC technics parts of aluminium alloy;
>--Matrix LED array ensures the uniform light distribution, which comes with uniform energy distribution and long life time.









Tiny
Build Volume: 100*100*100mm

>--light and compact design, carry everywhere you want;
>--HIWIN linear guide in X & Y axis, ensure precision movement;
>--2.8” touch screen: intuitive and well-organized navigation menu.
>--Magnet mate: easy removal of the prints with your hands, no any scrapper or tools needed any more.

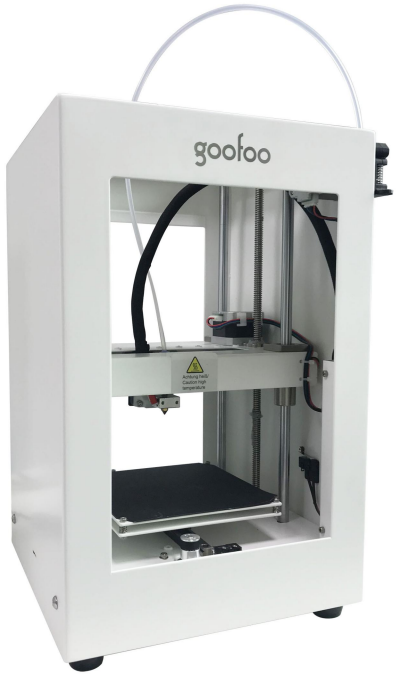
- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.1-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.1 - 0.4mm
- Printing Speed: 10mm/s-100mm/s
- Travel Speed: 10mm/s-100mm/s
- Supported filament: PLA, PETG, HIPS, ABS, Wood
- Build Plate: Metal plate with flexible magnet Mat

- **Temperature**
- Ambient Operation Temperature: 5 degrees-40 degrees
- Operation Extruder Temperature: Max 260 degrees
- Heated Bed: Non-heated

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: TF card

- **Electrical**
- Input Rate: 24V, 65W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,1pcs

New product release
--Highest cost performance



Tiny+
Build Volume: 120*120*190mm

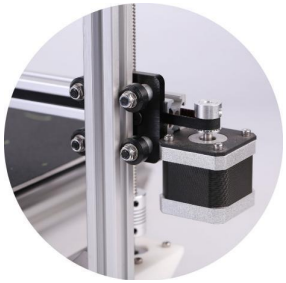
- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.1-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.1 - 0.4mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, PETG, HIPS, ABS, Wood
- Build Plate: Metal plate with flexible magnet Mat

- **Temperature**
- Ambient Operation Temperature: 5 degrees-40 degrees
- Operation Extruder Temperature: Max 260 degrees
- Heated Bed: Non-heated

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: TF card

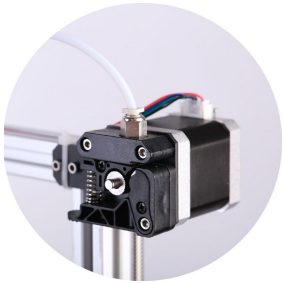
- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 65W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,1pcs

>--The bigger build volume with the light and compact design;
>--HIWIN linear guide in X & Y axis, ensure precision movement;
>--2.8” touch screen: intuitive and well-organized navigation menu.
>--Magnet mate: easy removal of the prints with your hands, no any scrapper or tools needed any more.









E-one
Build Volume: 300*300*400mm

>--The bigger build volume with the affordable price for everyone.
>--Magnet mate: easy removal of the prints with your hands, no any scrapper or tools needed any more.

- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.1-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.1 - 0.4mm
- Printing Speed: 10mm/s-100mm/s
- Travel Speed: 10mm/s-100mm/s
- Supported filament: PLA, ABS, PETG, TPU, Wood, HIPS, Bronze, Copper
- Build Plate: Metal plate with flexible magnet Mat

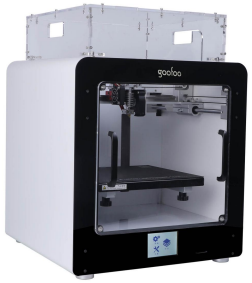
- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 degrees
- Heated Bed: Max 100 degrees

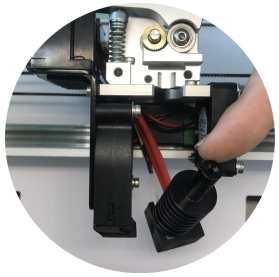
- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 500W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,2pcs











Mini+
Build Volume: 200*200*150mm

>--Full metal body with CNC technics aluminum frame structure;
>--HIWIN lindustrial inear guide in X axis, ensure precision movement;
>--Modular extruder of CNC technics: easily remove the heatsnik, choke and nozzle for cleaning within seconds;
>--Top cover and front door is avaible as spare parts to keep fully enclosed chamber.

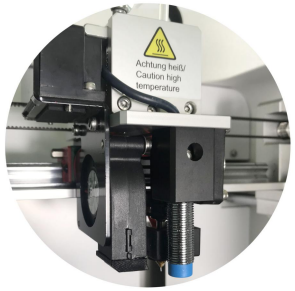
- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.1 - 0.4mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG, Elastic, TPU, Wood, HIPS, Nylon,Bronze, Carbon fiber, Copper, PEEK.....
- Build Plate: Metal plate with flexible magnet Mat

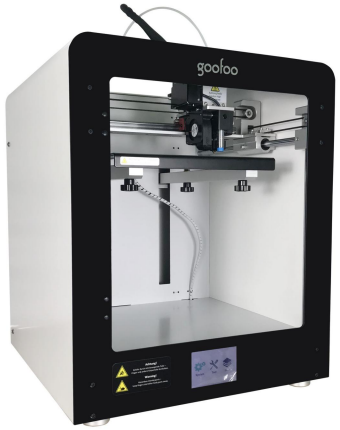
- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 / 400 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 320W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,1pcs

--Automatic leveling





MIDO
Build Volume: 200*200*200mm

>--Automatic leveling with inductive sensor;
>--Full metal body with CNC technics aluminum frame structure;
>--HIWIN lindustrial inear guide in X axis, ensure precision movement;
>--Magnet mate: easy removal of the prints with your hands, no any scrapper or tools needed any more.

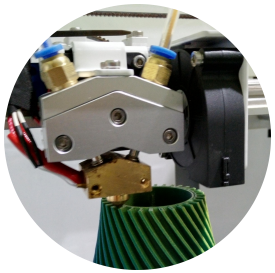
- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.1 - 0.4mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG, Elastic, TPU, Wood, HIPS, Nylon,Bronze, Carbon fiber, Copper, PEEK.....
- Build Plate: Metal plate

- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 / 400 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card, USB cable

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 320W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,1pcs

--Multi-color printing









T-One
Build Volume: 200*200*150mm

>--Full metal body with CNC technics aluminum frame structure;
>--HIWIN lindustrial inear guide in X axis, ensure precision movement;
>--Magnet mate: easy removal of the prints with your hands, no any scrapper or tools needed any more;
>--Unique design of “2 in 1 out” extruder, realizing the multi-color printing and smooth filament feeding, no any leakage or clogging during printing.

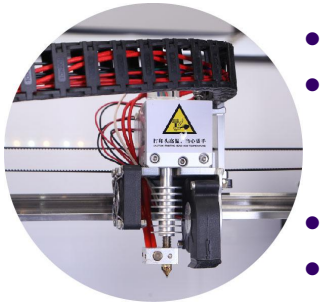
- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.4mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG
- Build Plate: Metal plate with flexible magnet Mat

- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 320W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,1,1pcs









Nova
Build Volume: 280*280*300mm

>--Filament runout detection and power failure recovery ensure the smooth printing process with stable quality in big model;
>-- 2 pcs of stepping motor in Y axis, which is helpful to maintain the enough torsion for long time printing;
>--Full metal body with CNC technics aluminum frame structure;
>--HIWIN lindustrial inear guide in X axis, ensure precision movement.

- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.2 - 0.8mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG, Elastic, TPU, Wood, HIPS, Nylon,Bronze, Carbon fiber, Copper, PEEK.....
- Build Plate: Metal plate with flexible magnet Mat

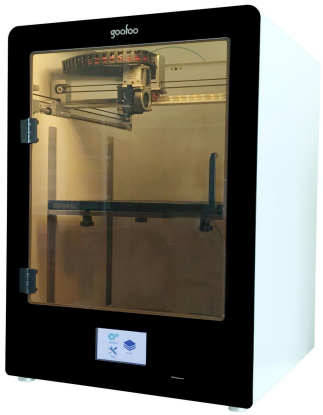
- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 / 400 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 500W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,2,2pcs









Plus
Build Volume: 360*360*400mm

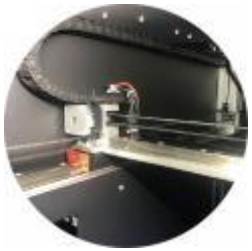
>--Filament runout detection and power failure recovery ensure the smooth printing process with stable quality in big model;
>-- 2 pcs of stepping motor in Y axis and 2pcs of ball screw in Z axis, which is helpful to maintain the enough torsion and precise accuracy in big model;
>--Full metal body with CNC technics aluminum frame structure;
>--HIWIN lindustrial inear guide in X axis, ensure precision movement.

- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.2 - 0.8mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG, Elastic, TPU, Wood, HIPS, Nylon,Bronze, Carbon fiber, Copper, PEEK.....
- Build Plate: Metal plate with flexible magnet Mat

- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 / 400 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 600W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,2,2pcs









Max
Build Volume: 600*580*700mm

>--Filament runout detection and power failure recovery ensure the smooth printing process with stable quality in big model;
>-- 2 pcs of industrial level linear guide n Y axis, and 2pcs of ball screw with 4pcs of industrial level linear guide in Z axis, which is helpful to maintain the enough torsion and precise accuracy in long time printing.

- **Printing**
- Print Technology: FDM
- Layer Resolution: 0.05-0.3mm
- Position Accuracy: X 0.01mm, Y 0.01mm, Z 0.005MM
- Nozzle Diameter: 0.2 - 0.8mm
- Printing Speed: 10mm/s -100mm/s
- Travel Speed: 10mm/s -100mm/s
- Supported filament: PLA, ABS, PETG, Elastic, TPU, Wood, HIPS, Nylon,Bronze, Carbon fiber, Copper, PEEK.....
- Build Plate: 2cm Aluminum Heated Bed

- **Temperature**
- Ambient Operation Temperature: 5 degrees - 40 degrees
- Operation Extruder Temperature: Max 260 / 400 degrees
- Heated Bed: Max 100 degrees

- **Software**
- Slicer Software: Cura, slic3r, goofoo 3D software
- File Input Format: .STL, .OBJ, .AMF
- File Output Format: .gcode
- Connectivity: SD card, USB disk

- **Electrical**
- Input Rate: 100-240V, 50-60Hz, 2000W
- Stepping Motor (X, Y, Z/pcs): X, Y, Z axis/ 1,2,2pcs

DIRECTORY

CR-X 4
CR20 Pro 5
CR20 6
CR-10 series 7
Ender-3 Pro 9
Ender-3 10
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LD-001 12
DP001 13
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CR-2020 17
CR-3040 18
CR-3040S 19
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CR-5060 20
CR-5080 20



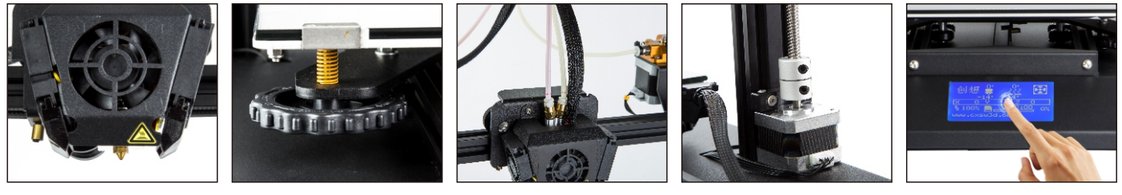
CR-X Dual extrusion 3d printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-240V,DC output 24V 480W

Specification

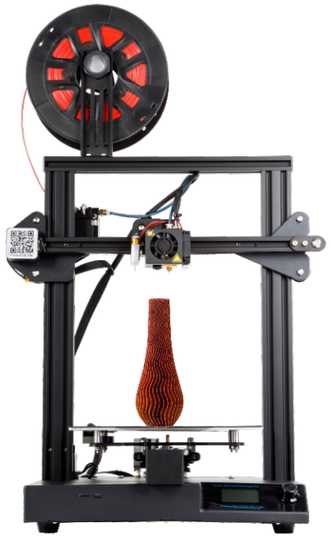
N.W.:	15KG	G.W.:	20KG
Machine Size:	550*490*650mm	Package Size:	660*550*380mm

Details Display



Features

- Two-color printing: Double-injection and one-out nozzle design. Two filaments, two extruders, one nozzle.
- Integrated design: The exterior design of the profiled sheet metal base is used to store most of the electronic components in the sheet metal bottom case.
- 4.3-inch colorful touch screen: User-friendly UI design, with sound prompts, perfect human-machine dialogue function, to bring users an unprecedented intelligent operating experience.
- Carboloy silicon printing platform: No need to use glue, perfect bonding with filaments at 60°C, Reduce adhesion after cooling, the model and platform are easy to separate, and the model is easy to remove.
- larger power supply:use well-known mean well large power supply,only needs 6 minutes to heat the hot bed to 100°C.



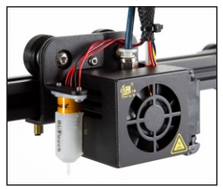
CR20 Pro Auto-leveling 3d Printer

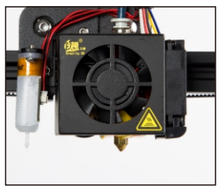
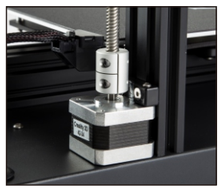
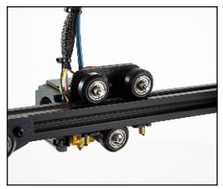
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*220*250mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 270W

Specification

N.W.:	7.9KG	G.W.:	10.1KG
Machine Size:	440*470*420mm	Package Size:	495*485*295mm

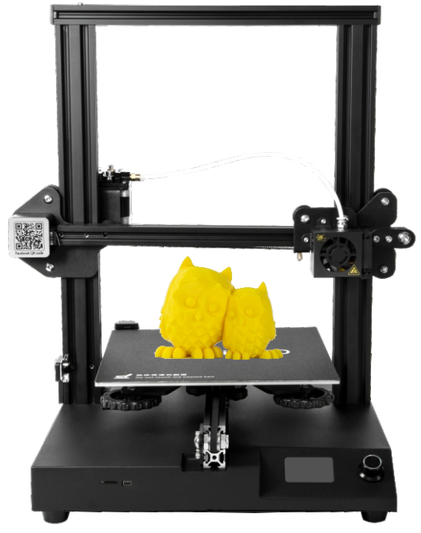
Details Display



Features

- High quality extruder: Patented technology 1, MK-10 extrusion mechanism, avoids unnecessary plugging and poor spillage.
- High standard structure: Patented technology 2, V-shaped pulleys, running more stable and smoothly with less noise and more wear-resistant.
- Enhanced print stability: The 4040 profile and the Y-axis U-type passive block which use on the Y-axis, makes it print more stable as well as the print quality is guaranteed.
- Meanwell Power supply: made by the listed company with a history of over 30 years, mature technology ensure better user experience .
- Simple leveling method: Bill Touch automatically leveling are added, 9-point leveling method to make leveling easier.
- Imported guide tube: Imported blue Teflon tube, ensure filament feed in more smoothly.



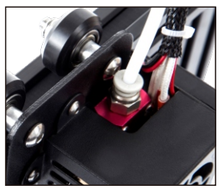
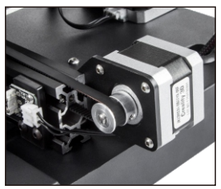
CR20 Easy assembling DIY printer

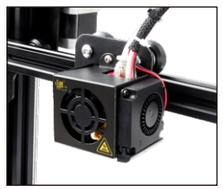
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*220*250mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 270W

Specification

N.W.:	8KG	G.W.:	10.2KG
Machine Size:	440*470*420mm	Package Size:	495*485*295mm

Details Display




Features

- Small and portable: It can be lifted with one hand, easy to move while printing area is still up to 220X220X250mm.
- Larger leveling nut: Leveling is more convenient.
- Creality3d V2.1 motherboard: all-upgrade, quality assurance, industrial-grade process, 200 hours of continuous printing without pressure.
- Resume printing while power-off: Effectively reduce the model rejection caused by power failure.
- Linear pulley system: patented technology, V-profile + precision pulley with perfect fit, running smoothly and more wear-resistant. Effectively reduce noise.
- Mk10 Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.



CR-10S Pro

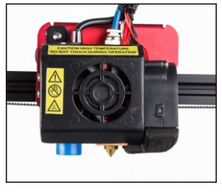
Update CR-10 with Auto-leveling

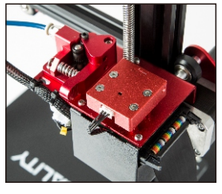
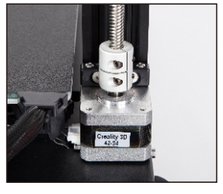
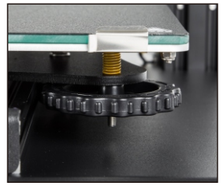
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	≤100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradientcolor, carbon fiber, etc
Bed Temp:	≤110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-240V,DC output 24V 480W

Specification

N.W.:	13.1KG	G.W.:	17.5
Machine Size:	550*490*650mm	Package Size:	660*550*380mm

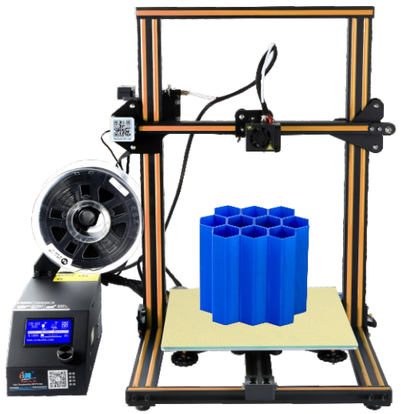
Details Display



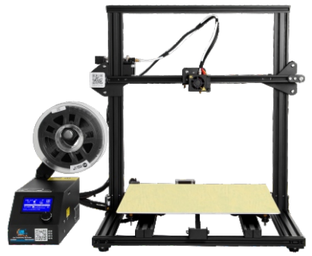
Features

- Matrix automatic leveling: Dynamic leveling fill gaps, single-point fix gaps in time, only need to level the platform once with both automatic leveling and auxiliary leveling modes.
- Imported Teflon tube Imported blue Teflon tube with high temperature resistant makes the feeding smoother while the printing quality is guaranteed.
- High-quality extrusion mechanism: Double-gear extrusion mechanism, higher extrusion force, ensuring smoothly feed in.
- Single-row cable design: The cable is integrated with the 30P simple horn, say goodbye to the complex wiring. The 30P head adapter plate is used for automatic leveling, filament sensor, double extrusion, and PT100/NTC functions.
- Z-axis double screw: good synchronization, move more smoothly with more accurate printing.



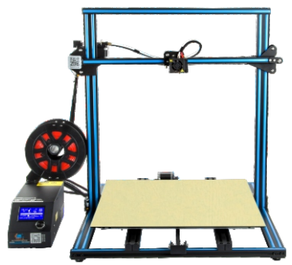
CR-10S

Printing Size	300*300*400mm
Package Size:	635*525*270mm
G.W.:	13.8KG



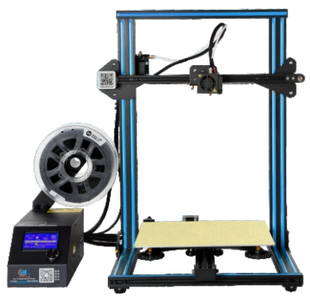
CR-10 S4

Printing Size	400*400*400mm
Package Size:	740*610*285mm
G.W.:	17.5KG



CR-10 S5

Printing Size	500*500*500mm
Package Size:	840*730*285mm
G.W.:	22.8KG



CR-10

Printing Size	300*300*400mm
Package Size:	635*525*270mm
G.W.:	13.5KG



CR-10mini

Printing Size	300*220*300mm
Package Size:	545*525*245mm
G.W.:	11.6KG



Ender-3 Pro

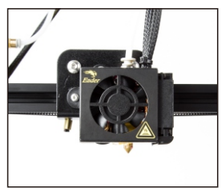
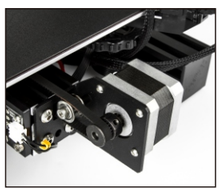
Update Ender-3 with Cmagnatic sticker

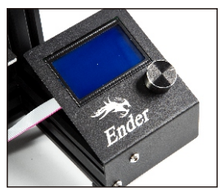
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*220*250mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood, gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 270W

Specification

N.W.:	6.9KG	G.W.:	8.9KG
Machine Size:	440*440*465mm	Package Size:	590*495*165mm

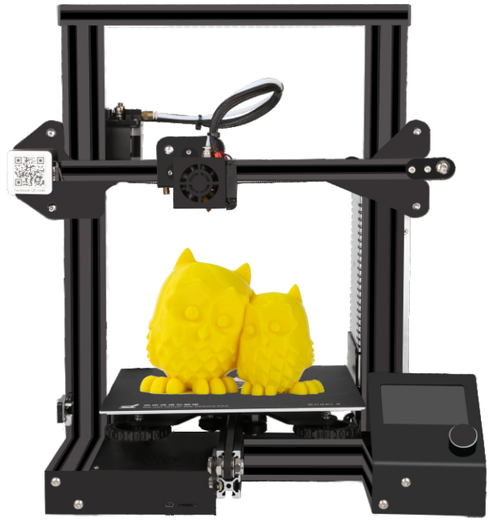
Details Display

Features

- High quality extruder: Patented technology 1, MK-10 extrusion mechanism, avoids unnecessary plugging and poor spillage.
- High standard structure: Patented technology 2, V-shaped pulleys, running more stable and smoothly with less noise and more wear-resistant.
- New platform sticker: Cmagnatic sticker are used on the platform, which replace the traditional textured paper and glue, easier to take out the model, with good adhesion, solving the problem of printing edge and more cost effective.
- Enhanced print stability: The 4040 profile and the Y-axis U-type passive block which use on the Y-axis, makes it print more stable as well as the print quality is guaranteed.
- Simple leveling method: large hand leveling nuts, ergonomic design, easier for you to level the platform.



Ender-3

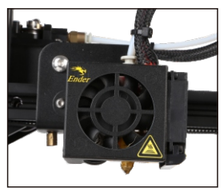
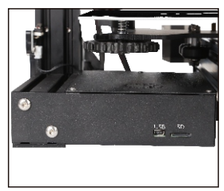
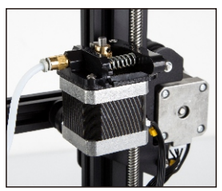
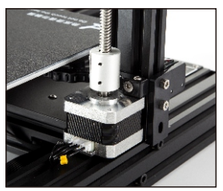
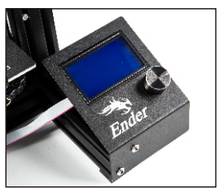
High cost-effective Primary DIY Printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	220*220*250mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood, gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or TF card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 270W

Specification

N.W.:	6.7KG	G.W.:	8.2KG
Machine Size:	440*410*465mm	Package Size:	510*400*190mm

Details Display

Features

- Split type design: The electronic control host and the mechanical structure are separated, develop your mind, help create a variety of printers at will.
- Shipment of the kit: Solving the problem of large-size transportation, installation takes only 5 minutes.
- Industrial grade circuit board: The technology is mature and stable, and it can work continuously for 200 hours without pressure.
- Linear pulley system: patented technology, V-profile + precision pulley with perfect, running more smoothly, more wear-resistant. Effectively reduce noise.
- Mk10 Extrusion Mechanism: A brand-new patented infrastructure that effectively reduces the risk of plugging and poor spillage and can print almost all consumables on the market.



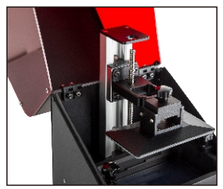
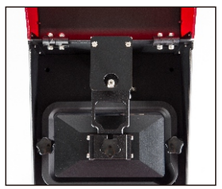
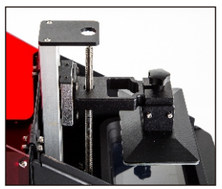
LD-002 Photosensitive resin 3d printer for Jelwery, dental using

Molding Tech:	LCD
Printing Size:	120*70*135mm
Precision:	±0.05mm
Layer Thickness:	0.02mm-0.1mm
Working Mode:	Online or U Disk offline
File Format:	STL
Slice Software:	3D Creator Slicer
Power Supply:	AC input 110-220V,DC output 12V 90W

Specification

N.W.:	7.4KG	G.W.:	10KG
Machine Size:	210*225*375mm	Package Size:	365*310*465mm

Details Display



Features

- Easier to clean the trough: quickly remove the residues inside the trough and improve the printing quality. Simply leveling method, only need to level the platform once.
- High-efficiency leveling: exquisite and compact, simple but beautiful, good protection from light with great sealing.
- Exquisite appearance: can realize network connection, multiple computer can connect and share with one printer with one button, totally offline printing, no need to use USB to transfer and control the printer.
- Intelligent printing: 3.5-inch touch screen system, three-dimensional model display , more intuitive to find or delete print files, and support real-time preview printing.
- Simple and high-speed slicing: Complicated models can be molded at one time, with micron-level accuracy, which is four times that of SLA.



LD-001 High precision photosensitive resin 3d printer

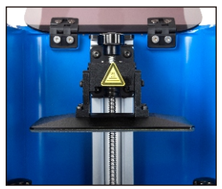
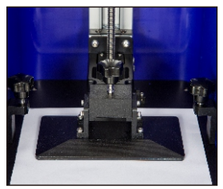
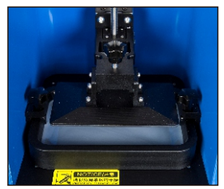
Molding Tech:	LCD
Printing Size:	120*70*120mm
Precision:	±0.02mm
Layer Thickness:	0.005mm-0.1mm
Working Mode:	Online or U Disk offline
File Format:	STL
Slice Software:	3D Creator Slicer
Power Supply:	AC input 100-240V,DC output 12V 90W

Specification

N.W.:	6.4KG	G.W.:	9KG
Machine Size:	220*240*360mm	Package Size:	365*310*465mm

Details Display



Features

- High-precision: Once the complex model is formed, micron-level accuracy is 4 times that of SLA.
- Large capacity: Up to 70 crowns and 20 regular size rings can be printed at a time, and small consumer electronics products can be easily printed.
- Independent research and development of 3D Creator system: to achieve faster slice speed, offline printing, wifi control, independent updates and other advantages.
- Full-color touch screen: 3.5-inch touch screen system, support for real-time preview, allowing you find the file you want to print.
- Innovative trough design: daily adjustment, more convenient refueling, and save more cost.
- Automatic leveling: unique automatic leveling system, avoid leveling troubles.



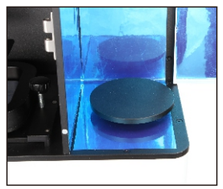
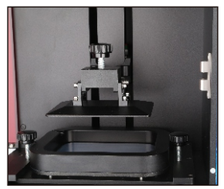
DP001 Photosensitive resin 3d printer for Jelwery, dental, casting

Molding Tech:	DLP
Printing Size:	80*60*140mm
Precision:	±0.1mm
Layer Thickness:	0.02mm-0.1mm
Working Mode:	Online or offline
File Format:	STL
Slice Software:	DLP Slicing software
Power Supply:	AC input 115-230V,DC output 12V/24 230W

Specification

N.W.:	21KG	G.W.:	27.3KG
Machine Size:	360*265*630mm	Package Size:	491*455*770mm

Details Display




Features

- User-friendly operation interface: only needs three steps to print, easy to learn.
- Integrated curing process: integrated 3D printing and post-curing process, rapid secondary curing after cleaning, convenient and practical.
- Light intensity calibration and compensation: The unique compensation technology effectively avoids the printing failure caused by light unevenness and light source failure, greatly improving the printing success rate.
- Aluminum alloy molding trough: multiple protection and separation technologies greatly increase the working life of trough, which is 3-5 times of the life of ordinary trough.
- High-precision transmission components: high-quality achievement of high precision, printing accuracy error of up to 20-50 microns.



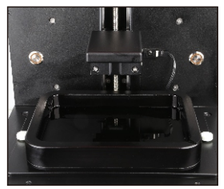
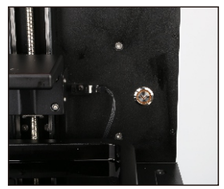
DP002 Special Photosesitive resin 3d printer for Jelwery, dental, casting

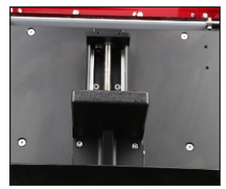
Molding Tech:	DLP
Printing Size:	102*76*170mm
Precision:	±0.1mm
Layer Thickness:	0.02mm-0.1mm
Working Mode:	Online or offline
File Format:	STL
Slice Software:	DLP Slicing software
Power Supply:	AC input 115-230V,DC output 12V 230W

Specification

N.W.:	29KG	G.W.:	35KG
Machine Size:	320*406*780mm	Package Size:	565*435*897mm

Details Display




Features

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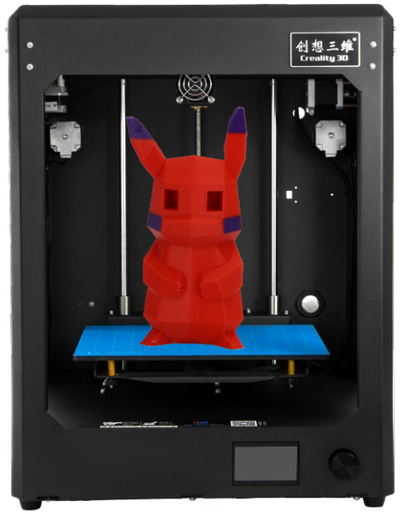
- Integrated curing process: integrated 3D printing and post-curing process, rapid secondary curing after cleaning, convenient and practical.
- Light intensity calibration and compensation: The unique compensation technology effectively avoids the printing failure caused by light unevenness and light source failure, greatly improving the printing success rate.
- Aluminum alloy molding trough: multiple protection and separation technologies greatly increase the working life of trough, which is 3-5 times of the life of ordinary trough.
- High-precision transmission components: high-quality achievement of high precision, printing accuracy error of up to 20-50 microns.



CR-5S

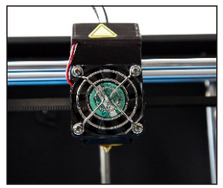
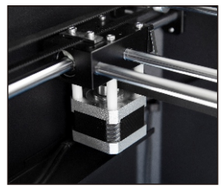
Dual extrusion box 3d printer

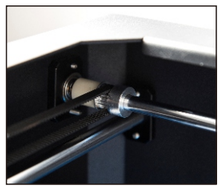
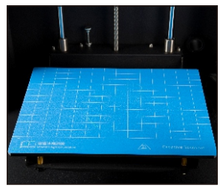
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*225*320mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽100°C
Working Mode:	Online or SD card offline
File Format:	STL,obj,amf
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 230W

Specification

N.W.:	23KG	G.W.:	32.5KG
Machine Size:	450*400*600mm	Package Size:	510*450*670mm

Details Display

Features

- Dual color 3d printing, one nozzle with two inlets, a separate single nozzle for different color printing.
- Patented nozzle design: patented nozzle, precision alloy, filament come out evenly.
- LED energy-saving lamps: Easier to check the printing results.
- Remote feeding: reduce inertia and effectively increase printing speed.
- Silicone heated bed: 6mm ultra-thick aluminum working platform, no need to worry about the platform leveling problem, fast and safety heat up , effectively preventing the model from curling.
- Filament sensor: Automatically stop printing while running out of the filament, ensuring the model can be print out smoothly.



CR-5

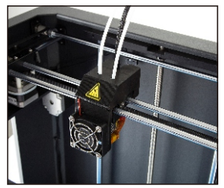
High cost-effective box 3d printer

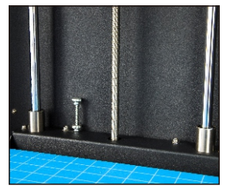
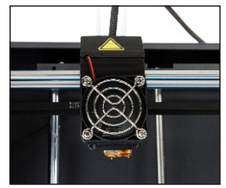
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*225*320mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽100°C
Working Mode:	Online or SD card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 230W

Specification

N.W.:	23KG	G.W.:	32.5KG
Machine Size:	450*400*600mm	Package Size:	510*450*670mm

Details Display




Features

- Large build size: offer you more opportunity to create and image the things you need while ensuring accuracy and quality.
- Remoted feeding: Reduce inertia, effectively increase the printing speed.
- Silicone hot bed: More quick and safe heated bed, effective to prevent the model Alice.
- Thicker aluminum platform:10mm thick aluminum working platform, after factory calibration, on leveling problems.
- High-quality hardware: Imported originals are used in many places, with lower noise and perfect printing.
- High-quality chassis: The combination of 2mm steel plate and advanced paint technology, the perfect presentation of quality and beauty.



CR-2020

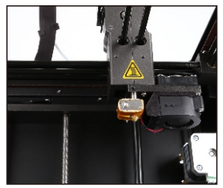
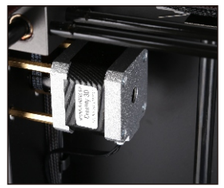
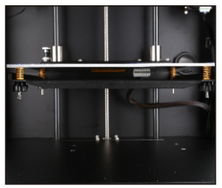
High precision printer for Education market

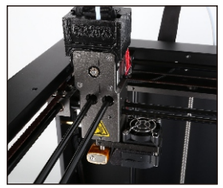
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	200*200*200mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽110°C
Working Mode:	Online or SD card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 200W

Specification

N.W.:	18.9KG	G.W.:	25KG
Machine Size:	370*390*500mm	Package Size:	482*482*595mm

Details Display



Features

- High-precision extruder module: Extrusion module mechanism using wire cutting and other mold processing technology, moreaccuracy.
- Unique circuit system: Supports functions such as automatic shutdown and Broken material detection. It can work continuouslyfor 200 hours without pressure.
- Automatic shutdown: Automatic shutdown after printing is complete, not only saving electricity and environmental protection,but also reducing the sound and light pollution.
- Short-range feeding: more accuracy controlled, stronger compatibility of consumables, higher molding accuracy.
- High-quality hardware: Imported originals in many places, lower noise, and perfect printing.
- High-quality chassis: The combination of 2mm steel plate and advanced paint technology, the perfect presentation of qualityand beauty.



CR-3040

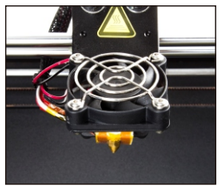
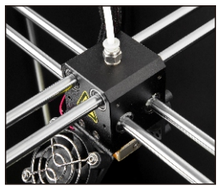
Large size box 3d printer

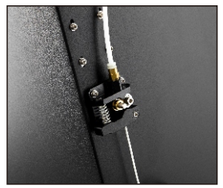
Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.1mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽75°C
Working Mode:	Online or SD card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 230W

Specification

N.W.:	34.4KG	G.W.:	45KG
Machine Size:	470*470*665mm	Package Size:	530*530*740mm

Details Display




Features

- Larger size: 300X300X400mm, with higher technology strength.
- Dual Z-axis screw: The platform moves more smoothly and with higher precision, reducing leveling troubles.
- Double cross axis structure: effectively improve the printing speed, print more stable.
- Short-range feeding: more accuracy controlled, stronger compatibility of consumables, higher molding accuracy.
- Industrial-grade circuit board: The technology is mature and stable, and it can work continuously for 200 hours without pressure.
- High-quality hardware: Imported originals are used in many places, with lower noise and finer printing.
- High-quality chassis: The combination of 2mm steel plate and advanced paint technology, the perfect presentation of quality and beauty.



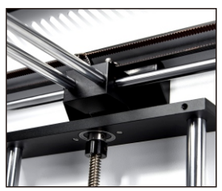
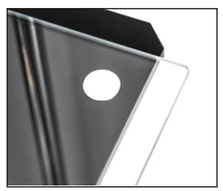
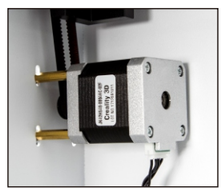
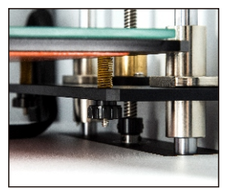
CR-3040S Enclosed Industrial use 3d printer

Molding Tech:	FDM(Fused Deposition Molding)
Printing Size:	300*300*400mm
Printing Speed:	⩽100mm/s
Precision:	±0.1mm
Slice Thickness:	0.05mm-0.4mm
Nozzle Diameter:	Standard 0.4mm,can be in 0.2,0.3mm
Fliament:	1.75mm,PLA,ABS,TPU,wood，gradient color, carbon fiber, etc
Bed Temp:	⩽90°C
Working Mode:	Online or SD card offline
File Format:	STL,OBJ,AMF
Slice Software:	Cura,Repetier-Host,Simplify 3D
Power Supply:	AC input 100-120V/200-240V,DC output 24V 230W

Specification

N.W.:	43KG	G.W.:	57.2KG
Machine Size:	470*490*785mm	Package Size:	535*555*880mm

Details Display


Features

- Resume printing while power off: safety protection device power supply, which can achieve real time printing.
- Double Z-axis screw: The platform lifts more smoothly, the precision will be higher, reduce the trouble of leveling, increasing the printing precision.
- Industrial grade circuit board: mature and stable technology and it can works continuously for 200 hours without pressure.
- High-quality hardware: Imported accessories are used in the printer, with less noise and finer prints.
- Imported double T-type screw: precision double screw positioning drive, platform operation is more stable so that the model can be print out more successfully.

More customise industrial 3d printer, welcome to contact us for OEM & ODM.



CR-4040

Printing Size	400*400*400mm
Package Size:	640*640*740mm
G.W.:	54KG



CR-5060

Printing Size	500*500*600mm
Package Size:	820*820*1160mm
G.W.:	125KG

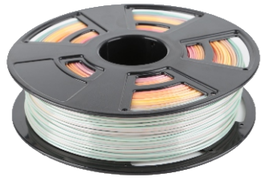


CR-5080

Printing Size	500*500*800mm
Package Size:	820*820*1460mm
G.W.:	150KG

More Filaments Optional





Gradient



TPU



Carbon



PLA



ABS



WOOD

APPLICATION FIELD

Casting mold, scientific research, medical customization, maintenance and modificationInnovative education, teaching AIDS, advertising signs, jewelryFootwear and apparel, heritage protection, toy manual, gift customization



The architectural design



Footwear apparel



Luminaire design



Industrial board



The artistic creation



The film and television props



Jewelry design



Dental design

Desktop 3D Printer Series

Precise Reliable Affordable

AIMS TO PROVIDE THE BEST SOLUTION FOR YOUR DIGITAL FABRICATION NEEDS, TO HELP YOU ACCELERATE INNOVATION AND EMPOWER USERS TO TURN IDEAS INTO REALITY.

Panther LCD 3D Printer



FC CE RoHS

Build Volume: 120(L)x 65(W)x165(H)mm
Layer Thickness: 0.025mm/0.05mm/0.1mm
Print Speed: 20mm/h (Z axis)
XY Resolution: 47um
Light Source:405nm UV LED array
Material: Resin
Operation Software: YidimuLCD
File Format: STL
Connectivity: USB memory
Voltage: 110V/220V
Rated Power: 85W
Product Weight: 7.5KG
Product Dimensions: 220(L)x200(w)x426(H)mm
Packaging Size: 300(L)x280(w)x640(H)mm

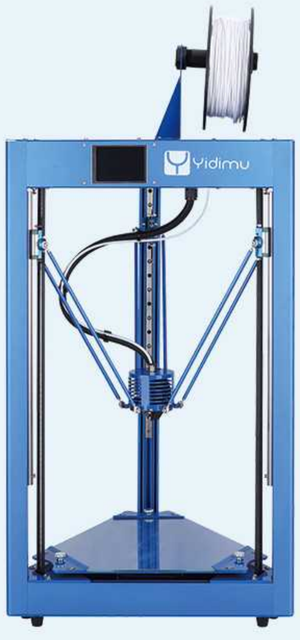
Falcon LCD 3D Printer



FC CE RoHS

Build Volume: 192 (L) x 120 (W) x 165 (H)mm
Layer Thickness: 0.025mm/0.05mm/0.1mm
Print Speed: 12mm/h(z-axis)
LCD Pixel resolution: 75um
Light Source:405nm UV LED array
Material: Resin
Operation Software:YidimuLCD
FIle Format: STL
Connectivity:USB memory
Voltage: 110V/220V
Rated Power: 110W
Product Weight:16.5KG
Product Dimensions: 300(L)x280(w)x480(H)mm
Packaging size: 390 (L) x370 (w) x570 (H) mm

Minidimu Delta 3D Printer



FC CE RoHS

Build Volume: 250mm(Dia.)*250mm(H)
Layer Thickness: 0.1-0.4mm
Print Speed: 350mm/s(Max.)
Max. Heated Bed Temperature: 110℃
Max. Extrusion Temperature: 275℃
Filament Diameter: 1.75mm
Filament Type: PLA,ABS,WOOD,Carbon fiber, etc
Filament Color: Various colors for option
Software: Yidimu, Cura, Repetier
Operating Systems: Windows/Mac/Linux
File Format: Gcode,STL, OBJ
Connectivity: online or TF card offline
Voltage: Input:100-120VAC/200-240VAC ,50/60Hz
Output:24V ,Maximum Power: 270W
Product Weight:15KG
Product Dimension: 365mm(Dia.)*720mm(H)
Packaging Size: 430(L)*870(W)*480(H)mm

IronFist DIY 3D Printer



FC CE RoHS

Build Volume: 220mm(L)*220mm(W)*250mm(H)
Layer Thickness: 0.1-0.4mm
Print Speed: 30-150mm/s
Max. Heated Bed Temperature: 110℃
Max. Extrusion Temperature: 275℃
Filament Diameter: 1.75mm
Filament Type: PLA,ABS,WOOD,Carbon fiber, etc
Filament Color: Various colors for option
Software: Yidimu, Cura, Repetier
Operating Systems: Windows/Mac/Linux
File Format: Gcode,STL, OBJ
Connectivity: online or TF card offline
Voltage: Input:100-120VAC/200-240VAC ,50/60Hz
Output:24V ,Maximum Power: 270W
Product Weight:9KG
Product Dimension: 440(L)*460(W)*480(H)mm
Packaging Size: 590(L)*600(W)*220(H)mm

Photosensitive Resin

405nm UV Resin compatible to most resin printers



General-purpose Resin for LCD 3D Printers

Color：mutiple color
Smell: Low resin odor
Appearance status :Liquid at room temperature
Alcohol solublility: Soluble in alcohol
Water solubility: Slightly soluble in water
Viscosity: 150-200（25℃，m.pa.s）
Flexural modulus: 1.882-2.385Mpa
Flexural strength: 59-70Mpa
Hot deformation temp: 80℃
Thermal expansion: 95*E-6

Volume shrinkage:3.72%-4.24%
Linear shrinkage:1.05%-1.35%
Tensile strength:36-52Mpa
Tensile modulus:1.779-2.385Mpa
Elongation at break:11%-20%
Hardness(Shore D):88D
Glass transition temp.:100℃
Density:1.05-1.13g/cm³
Notched impact strength:44-49j/m



Casting Resin suitable for both LCD/DLP 3D Printers

Color：Green/Yellow
Smell: Low resin odor
Appearance status :Liquid at room temperature
Alcohol solublility: Soluble in alcohol
Water solubility: Slightly soluble in water
Viscosity: 150-200（25℃，m.pa.s）
Flexural modulus: 1.192—2.525Mpa
Flexural strength: 49—58Mpa
Hot deformation temp: 65℃
Thermal expansion: 95*E-6

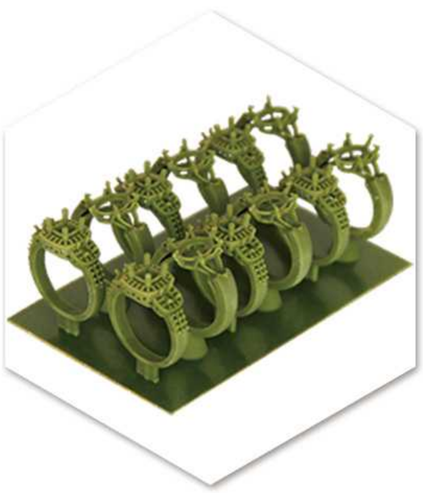
Volume shrinkage:4.06%—5.08%
Linear shrinkage:1.05%-1.35%
Tensile strength:42—62Mpa
Tensile modulus:1.86—2.645Mpa
Elongation at break:11%-20%
Hardness(Shore D):65D
Glass transition temp.:78℃
Density:1.05-1.13g/cm³
Notched impact strength:44-49j/m



Sample Show



Engineering



Jewelry Design



Dental Mold

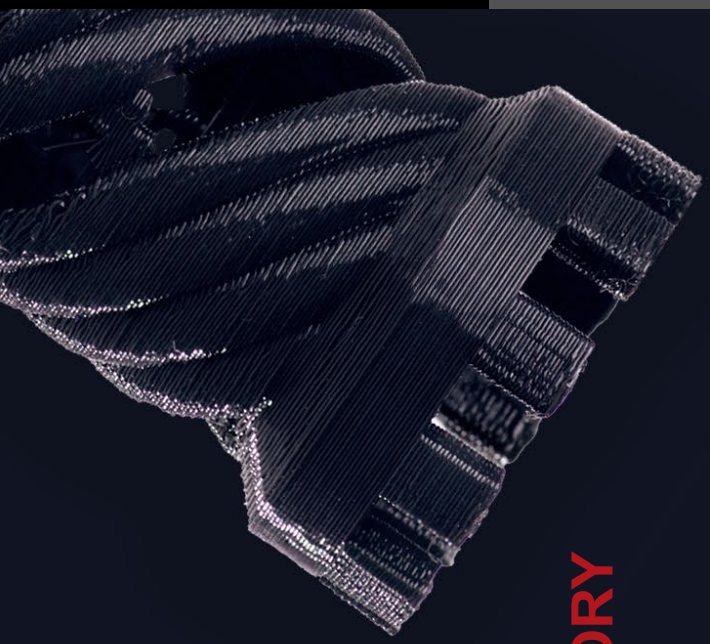


Anime Figurine

3D

Compatible Material list

How to place order of filaments?
1. Please enter the number into Quan colume.
2. Press the button" Email this order" , or save this file and send to sales@wanhao3dprinter.com



PRODUCT DIRECTORY

Reliable, renowned
and revolutionary
3D printing solutions







The most commonly used thermoplastic **ABS** 1.75 - 3.00MM

Acrylonitrile butadiene styrene is the most commonly used 3d printing material. For example, most lego building blocks are produced using this material. Airwolf 3D utilizes ABS in the manufacture of numerous manufacturing components due to ease of use and resistance to high temperatures.

1.75 mm	0201008	_____	PCS
3.00 mm	0201308	_____	PCS
1.75 mm	0201102	_____	PCS
3.00 mm	0201402	_____	PCS
1.75 mm	0201006	_____	PCS
3.00 mm	0201615	_____	PCS
1.75 mm	0201003	_____	PCS
3.00 mm	0201303	_____	PCS
1.75 mm	0201005	_____	PCS
3.00 mm	0201305	_____	PCS
1.75 mm	0201105	_____	PCS
3.00 mm	0201405	_____	PCS
1.75 mm	0201014	_____	PCS
3.00 mm	0201314	_____	PCS
1.75 mm	0201018	_____	PCS
3.00 mm	0201318	_____	PCS
1.75 mm	0201009	_____	PCS
3.00 mm	0201309	_____	PCS

1.75 mm	0201007	_____	PCS
3.00 mm	0201307	_____	PCS
1.75 mm	0201103	_____	PCS
3.00 mm	0201403	_____	PCS
1.75 mm	0201015	_____	PCS
3.00 mm	0201617	_____	PCS
1.75 mm	0201004	_____	PCS
3.00 mm	0201304	_____	PCS
1.75 mm	0201013	_____	PCS
3.00 mm	0201313	_____	PCS
1.75 mm	0201104	_____	PCS
3.00 mm	0201404	_____	PCS
1.75 mm	0201010	_____	PCS
3.00 mm	0201612	_____	PCS
1.75 mm	0201017	_____	PCS
3.00 mm	0201317	_____	PCS

1.75 mm	0201011	_____	PCS
3.00 mm	0201311	_____	PCS
1.75 mm	0201012	_____	PCS
3.00 mm	0201312	_____	PCS
1.75 mm	0201002	_____	PCS
3.00 mm	0201302	_____	PCS
1.75 mm	0201001	_____	PCS
3.00 mm	0201301	_____	PCS
1.75 mm	0201016	_____	PCS
3.00 mm	0201316	_____	PCS
1.75 mm	0201019	_____	PCS
3.00 mm	0201603	_____	PCS
1.75 mm	0201100	_____	PCS
3.00 mm	0201400	_____	PCS
1.75 mm	0201101	_____	PCS
3.00 mm	0201401	_____	PCS



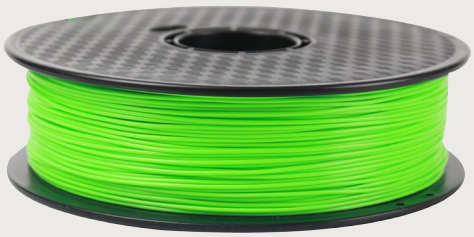
The most commonly used thermoplastic **PLA** 1.75 - 3.00MM

POlyactic acid is one of the most commonly used materials in 3D printing today. It is biodegradable, easy to use, and provides great surface finish and print quality. PIA can be dissolved in lye based drain cleaner(such as Drano), leaving other materials such as ABS unaffected, And excellent support material.

1.75 mm	0202028	_____	PCS
3.00 mm	0202328	_____	PCS
1.75 mm	0202029	_____	PCS
3.00 mm	0202329	_____	PCS
1.75 mm	0202026	_____	PCS
3.00 mm	0202326	_____	PCS
1.75 mm	0202024	_____	PCS
3.00 mm	0202324	_____	PCS
1.75 mm	0202025	_____	PCS
3.00 mm	0202325	_____	PCS
1.75 mm	0202126	_____	PCS
3.00 mm	0202426	_____	PCS
1.75 mm	0202024	_____	PCS
3.00 mm	0202324	_____	PCS
1.75 mm	0202048	_____	PCS
1.75 mm	0202122	_____	PCS
3.00 mm	0202422	_____	PCS
1.75 mm	0202043	_____	PCS
3.00 mm	0202343	_____	PCS

1.75 mm	0202027	_____	PCS
3.00 mm	0202327	_____	PCS
1.75 mm	0202124	_____	PCS
3.00 mm	0202424	_____	PCS
1.75 mm	0202034	_____	PCS
3.00 mm	0202334	_____	PCS
1.75 mm	0202023	_____	PCS
3.00 mm	0202323	_____	PCS
1.75 mm	0202033	_____	PCS
3.00 mm	0202333	_____	PCS
1.75 mm	0202125	_____	PCS
3.00 mm	0202425	_____	PCS
1.75 mm	0202030	_____	PCS
3.00 mm	0202330	_____	PCS
1.75 mm	0202047	_____	PCS
3.00 mm	0202347	_____	PCS
1.75 mm	0202041	_____	PCS
3.00 mm	0202341	_____	PCS
1.75 mm	0202044	_____	PCS
3.00 mm	0202344	_____	PCS

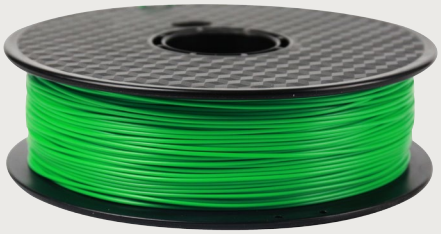
1.75 mm	0202031	_____	PCS
3.00 mm	0202331	_____	PCS
1.75 mm	0202032	_____	PCS
3.00 mm	0202332	_____	PCS
1.75 mm	0202022	_____	PCS
3.00 mm	0202322	_____	PCS
1.75 mm	0202021	_____	PCS
3.00 mm	0202321	_____	PCS
1.75 mm	0202035	_____	PCS
3.00 mm	0202335	_____	PCS
1.75 mm	0202046	_____	PCS
3.00 mm	0202346	_____	PCS
1.75 mm	0202121	_____	PCS
3.00 mm	0202421	_____	PCS
1.75 mm	0202123	_____	PCS
3.00 mm	0202423	_____	PCS
1.75 mm	0202042	_____	PCS
3.00 mm	0202342	_____	PCS



The most commonly used thermoplastic HIPS 1.75 mm

HIPS is a short for high impact polystyrene. It has very similar properties to ABS, and is commonly used by model makers.

- 1.75 mm ☐ 0204023 _____ PCS
- 1.75 mm ☐ 0204126 _____ PCS
- 1.75 mm ☐ 0204033 _____ PCS
- 1.75 mm ☐ 0204035 _____ PCS
- 1.75 mm ☐ 0204025 _____ PCS
- 1.75 mm ☐ 0204022 _____ PCS
- 1.75 mm ☐ 0204047 _____ PCS
- 1.75 mm ☐ 0204030 _____ PCS
- 1.75 mm ☐ 0204031 _____ PCS
- 1.75 mm ☐ 0204027 _____ PCS
- 1.75 mm ☐ 0204024 _____ PCS
- 1.75 mm ☐ 0204000 _____ PCS
- 1.75 mm ☐ 0204122 _____ PCS
- 1.75 mm ☐ 0204034 _____ PCS
- 1.75 mm ☐ 0204026 _____ PCS
- 1.75 mm ☐ 0204028 _____ PCS
- 1.75 mm ☐ 0204049 _____ PCS



The most commonly used thermoplastic PETG 1.75 mm

PETG is also known as glycol modified PET(or less commonly as GPET). This material has a high degree of durability and impact resilience, yet is also very flexible and recyclable. PETG can be found in many colors, including transparent.

- 1.75 mm ☐ 0209023 _____ PCS
- 1.75 mm ☐ 0209032 _____ PCS
- 1.75 mm ☐ 0209021 _____ PCS
- 1.75 mm ☐ 0209035 _____ PCS
- 1.75 mm ☐ 0209050 _____ PCS
- 1.75 mm ☐ 0209022 _____ PCS
- 1.75 mm ☐ 0209121 _____ PCS
- 1.75 mm ☐ 0209030 _____ PCS
- 1.75 mm ☐ 0204031 _____ PCS
- 1.75 mm ☐ 0209027 _____ PCS
- 1.75 mm ☐ 0209024 _____ PCS
- 1.75 mm ☐ 0209029 _____ PCS
- 1.75 mm ☐ 0209034 _____ PCS
- 1.75 mm ☐ 0209026 _____ PCS
- 1.75 mm ☐ 0209028 _____ PCS
- 1.75 mm ☐ 0209126 _____ PCS



The most commonly used thermoplastic TPU 1.75MM / 0.5KG

TPU stands for thermoplastic polyurethane. TPU features good elasticity and transparency and is resistant to oil, grease and abrasion. Wanhao TPU is much stronger than typical TUP layer to layer bounding is incredible and layer separation is virtually non-existent.

- 1.75 mm ☐ 0211024 _____ PCS
- 1.75mm ☐ 0211034 _____ PCS
- 1.75mm ☐ 0211022 _____ PCS
- 1.75mm ☐ 0211121 _____ PCS
- 1.75 mm ☐ 0211025 _____ PCS
- 1.75 mm ☐ 0211026 _____ PCS
- 1.75 mm ☐ 0211027 _____ PCS
- 1.75 mm ☐ 0211126 _____ PCS
- 1.75 mm ☐ 0211031 _____ PCS
- 1.75 mm ☐ 0211032 _____ PCS
- 1.75 mm ☐ 0211028 _____ PCS



The most commonly used thermoplastic PVB 1.75MM / 1 KG

Polyvinyl Butyral Resin (PVB) is a solvent Resin synthesized by the reaction of Polyvinyl alcohol (PVA) with butyraldehyde under the action of catalyst. It has excellent film forming properties, transparency, elasticity, toughness, strong alkali resistance, oil resistance, flexibility and low temperature impact resistance, etc

1.75 mm ☐ 0233032 _____ PCS

1.75 mm ☐ 0233028 _____ PCS

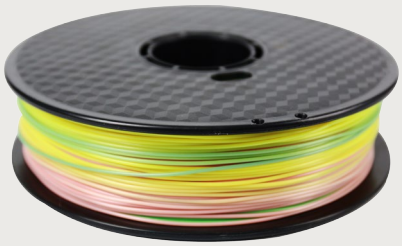


The most commonly used thermoplastic PVA 1.75, 3.00MM / 0.5kg,1 KG

PVA (polyvinyl alcohol) is an excellent thermoplastic that dissolves instantly in water. PVA's solubility in water makes it a very useful plastic as a support material for prototyping complex, highly complex designs, with lots of holes and overhangs

1.75 mm ☐ 0203800 _____ PCS

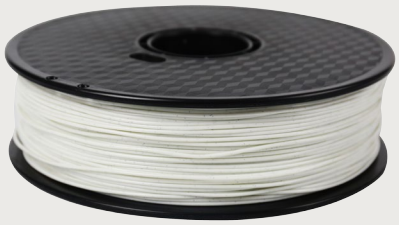
3.00 mm ☐ 0203300 _____ PCS



The most commonly used thermoplastic MULTIPLE COLOR 1.75MM / 1 KG

The advantage of mixing colors and materials is that you get more out of less space. Because colors and materials can be combined, there is no need to keep many different colors and materials in stock. In addition, there is no need to worry about painting or post-processing, just remove the print from the printed page

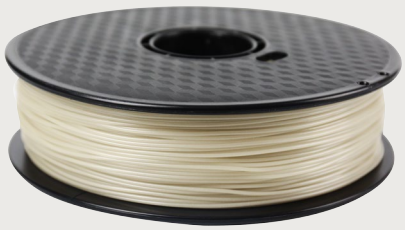
1.75 mm ☐ 0214000 _____ PCS



The most commonly used thermoplastic Marble 1.75MM / 1 KG

The color and material mix of printing silk, with the texture of Marble, it can create most similar to the architectural, sculptural type of print model, let your model have more color soul

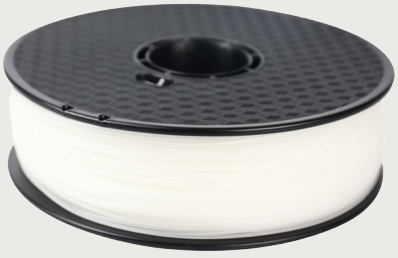
1.75 mm ☐ 0216000 _____ PCS



The most commonly used thermoplastic Antibacterial 1.75MM / 1 KG

For 3 d printing flame-retardant antibacterial PLA biodegradable composites, the PLA composite material system by adding flame retardant DOPO derivatives and natural macromolecule antibacterial agent, on the one hand, selection of natural polymer antibacterial agent to PLA composite material is durable and broad-spectrum antimicrobial properties, bactericidal power, stable performance, easy biodegradation, will not cause secondary pollution

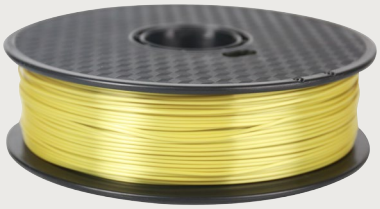
1.75 mm ☐ 0230021 _____ PCS



The most commonly used thermoplastic PA 1.75MM / 1 KG

Polyamide (PA), also known as Nylon, is a kind of high molecular polymer containing amide groups in repeating units on the molecular backbone. Nylon can be made into all kinds of plastics, and can be brushed into fiber, can also be made into film, paint and adhesive, etc. Because nylon has good mechanical, heat resistance, wear resistance and other properties, products can be widely used in clothing, industrial supplies, automobiles, machinery, electronics and electrical, transportation, packaging industry and many other fields.

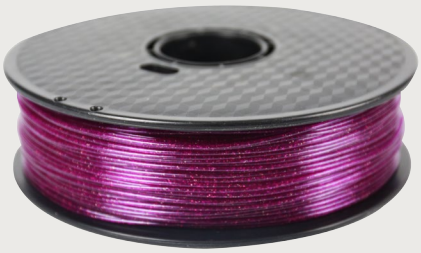
1.75 mm ☐ 0205000 _____ PCS



The most commonly used thermoplastic **Silk- PLA** 1.75 MM / 1 KG

Excellent toughness, unique gorgeous color, specially designed for printing gifts, crafts, silk products, wedding decorations and other imitation silk silk lines;
Printing g is as simple as PLA.

- 1.75 mm ☐ 0213028 _____ PCS
- 1.75 mm ☐ 0213029 _____ PCS
- 1.75 mm ☐ 0213026 _____ PCS
- 1.75 mm ☐ 0213024 _____ PCS
- 1.75 mm ☐ 0213025 _____ PCS
- 1.75 mm ☐ 0213126 _____ PCS
- 1.75 mm ☐ 0213037 _____ PCS
- 1.75 mm ☐ 0213027 _____ PCS
- 1.75 mm ☐ 0213122 _____ PCS
- 1.75 mm ☐ 0202034 _____ PCS
- 1.75 mm ☐ 0213023 _____ PCS
- 1.75 mm ☐ 0213033 _____ PCS
- 1.75 mm ☐ 0213125 _____ PCS
- 1.75 mm ☐ 0213030 _____ PCS
- 1.75 mm ☐ 0213031 _____ PCS
- 1.75 mm ☐ 0213032 _____ PCS
- 1.75 mm ☐ 0213022 _____ PCS
- 1.75 mm ☐ 0213123 _____ PCS
- 1.75 mm ☐ 0213035 _____ PCS
- 1.75 mm ☐ 0213036 _____ PCS
- 1.75 mm ☐ 0213124 _____ PCS



The most commonly used thermoplastic **PET** 1.75 MM / 1 KG

PET is a kind of novel color 3 d printing consumables. It is a composite PLA material, which is also biodegradable. The glittery look made it a hit when it hit the market. With good toughness, odorless, low shrinkage, good rigidity, no heating printing plate, easy to print and other characteristics. ETwinkling print out finished product specific excellent shiny appearance

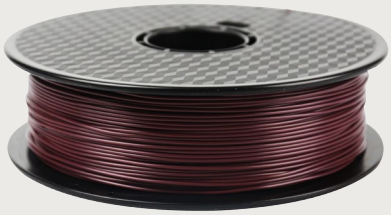
- 1.75 mm ☐ 0215028 _____ PCS
- 1.75 mm ☐ 0215041 _____ PCS
- 1.75 mm ☐ 0215043 _____ PCS
- 1.75 mm ☐ 0215045 _____ PCS
- 1.75 mm ☐ 0215042 _____ PCS
- 1.75 mm ☐ 0215121 _____ PCS
- 1.75 mm ☐ 0215034 _____ PCS
- 1.75 mm ☐ 0215044 _____ PCS
- 1.75 mm ☐ 0215046 _____ PCS
- 1.75 mm ☐ 0215126 _____ PCS



The most commonly used thermoplastic **Flexible PLA** 1.75 MM / 1 KG

The Flexible PLA filament is a flexible filament with durable rubber properties. It is useful for making parts that need to be flexible, not to break when bent (resistant) and also to be durable.

- 1.75 mm ☐ 0207000 _____ PCS



The most commonly used thermoplastic PLA+

1.75 MM / 1 KG

PLA+ is a variation of PLA that has added material in order to make the filament less brittle, have a smoother surface finish, and less likely to absorb moisture. Typically, TPU is added into the filament in order to achieve this property. PLA+ will have the feel and functionality of ABS without the smell.

1.75 mm ☐ 0218028 _____ PCS

1.75 mm ☐ 0218029 _____ PCS

1.75 mm ☐ 0218026 _____ PCS

1.75 mm ☐ 0218024 _____ PCS

1.75 mm ☐ 0218025 _____ PCS

1.75 mm ☐ 0218126 _____ PCS

1.75 mm ☐ 0218050 _____ PCS

1.75 mm ☐ 0218027 _____ PCS

1.75 mm ☐ 0218123 _____ PCS

1.75 mm ☐ 0218034 _____ PCS

1.75 mm ☐ 0218023 _____ PCS

1.75 mm ☐ 0218033 _____ PCS

1.75 mm ☐ 0218021 _____ PCS

1.75 mm ☐ 0218030 _____ PCS

1.75 mm ☐ 0218031 _____ PCS

1.75 mm ☐ 0218032 _____ PCS

1.75 mm ☐ 0218022 _____ PCS

1.75 mm ☐ 0218124 _____ PCS

1.75 mm ☐ 0218035 _____ PCS

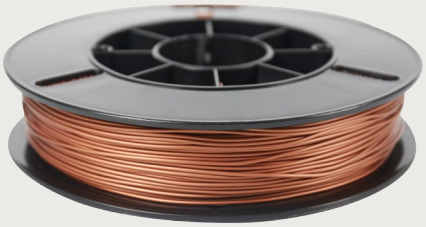


1.75 mm ☐ 0208003 ——— PCS

The most commonly used thermoplastic Brozefill

1.75MM / 0.5KG

Composed of an 80/20 bronze to PLA mixture. Sanding and polishing Bronzefill results in a shiny, metalic finish.

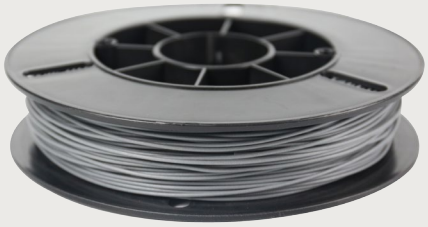


1.75 mm ☐ 0208002 ——— PCS

The most commonly used thermoplastic Copper

1.75MM / 0.5KG

Copper Filament Copper Filamet™ contains around 90% metal.

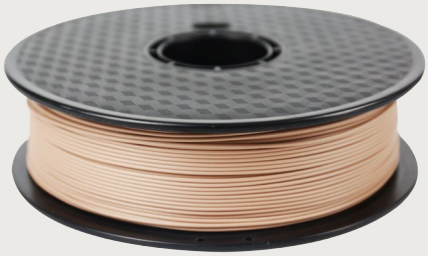


1.75 mm ☐ 0208004 ——— PCS

The most commonly used thermoplastic Stainless steel

1.75MM / 0.5KG

Stainless Steel PLA filament is a dense material that prints as easily as standard PLA but results in heavy cast metal looking prints that can be brushed, sanded, or polished post-print to achieve amazing results. Using real steel powder, this premium, metal-filled steel PLA filament is perfect for jewelry, costumes, props, figurines, crafting, robots, or any other 3D prints needing a truly stainless steel finish.

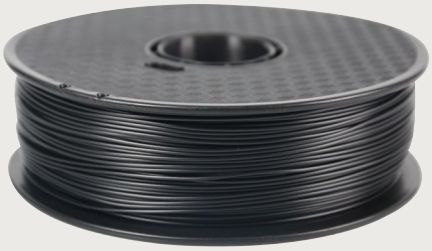


1.75 mm ☐ 0208000 ——— PCS

The most commonly used thermoplastic Woodfill

1.75MM/ 1 KG

PLA/PHA based compound mixed with natural woood fibers.

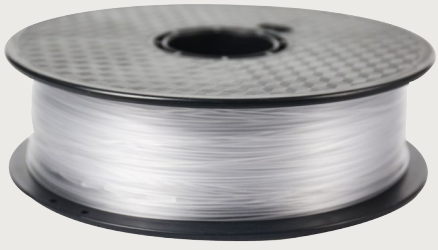


1.75 mm ☐ 0223034 ——— PCS

The most commonly used thermoplastic Carbon Fiber PLA

1.75 mm/ 1 KG

CFPLA is a durable filament with carbon fibers suspended in a PLA matrix. The resulting 3D prints are rigid with a matte black finish, and exhibit extremely low warping charactercs.



1.75 mm ☐ 0225121 ——— PCS

The most commonly used thermoplastic PC

1.75 mm/ 1 KG

Strong, durable material that can be put to test with functioning prototypes. Polycarbonate filament is a high temperature material that offers good heat resistance and layer bounding and produces and excellent finish.

1.75 mm ☐ 0225034 ——— PCS

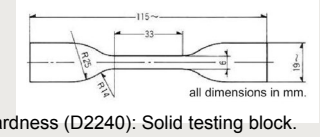
1.75 mm ☐ 0225022 ——— PCS

Characteristic	PLA	ABS	PETG
Diameter & Accuracy	Nominal 3.00 mm ± 0.05 mm Nominal 1.75 mm ± 0.05 mm		
Roundness Accuracy	± 0.05 mm		
Melt Point	190 - 210°C	200-210°C	220 - 235 °C
Bed Temp.	0°C to 60°C	60°C to 100°C	60°C to 80°C
Spool	Spool Outer Diameter: 200 mm Spool Inner Diameter: 32mm Width: 60mm		
Packaging	Vacuum - sealed PE bag with desiccant, outer cardboard protective box		
Material Net Weight	1kg ±0.05kg		
Gross Weight	1.4kg		

Characteristic	Brassfill	Brozefill	Carbon Fiber PLA
Diameter & Accuracy	Nominal 3.00 mm ± 0.05 mm Nominal 1.75 mm ± 0.05 mm		
Roundness Accuracy	± 0.05 mm		
Melt Point	190-210°C	190-210°C	195-220°C
Bed Temp.	60°C	60°C	60°C
Spool	Spool Outer Diameter: 200 mm Spool Inner Diameter: 32mm Width: 60mm		
Packaging	Vacuum - sealed PE bag with desiccant, outer cardboard protective box		
Material Net Weight	1kg ±0.05kg/0.5kg		
Gross Weight	1.4kg/1kg		

WANHAO filament is capable of being printed by a variety of printers in a variety of configurations. This specification sheet gives results as they pertain to the defined test standard and specimen details. Different slicing and/or printing configurations, test conditions, ambient environments, etc. may result in different results.

Tensile (D638): 100% fill, diagonal line fill. Dimensions: 5mm thick. See drawing for other dimensions.



Hardness (D2240): Solid testing block.



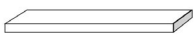
Dimensions:
2”L x 2” H x 0.75” W

Impact (D256): Un-notched test specimen,notch added post print by testing facility.



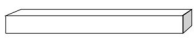
Dimensions:
2.5 “ L x 0.25” H x 0.5” W

Abrasion (D4060): Rectanglar block sized to fit tabor abrader.



Dimensions:
5” L x 0.5” H x 0.5” W

HDT (D648): Bar shape.



Dimensions:
7.5” L x 0.125” H x 0.5” W

TPU	PC	HIPS	Woodfill
Nominal 3.00 mm ± 0.05 mm Nominal 1.75 mm ± 0.05 mm			
± 0.05 mm			
230-240°C	300-315°C	240°C	195-220°C
70°C to 80°C	135°C to 145°C	100°C to 110°C	60°C
Spool Outer Diameter: 200 mm Spool Inner Diameter: 32mm Width: 60mm			
Vacuum - sealed PE bag with desiccant, outer cardboard protective box			
1kg ±0.05kg			
1.4kg			

Filament Characterization

On average, we spend 2 weeks testing and characterizing each new material, diameter and color combination through various semi- automated tests. Above and beyond the manufacturing quality control, we re-run these tests on a quarterly basis to ensure we always ship that provides reliable and repeatable print results.



Market of the future: 3D printing

The 3D printing market has generated sales worth several billion US dollars over the last few years. Analysts have projected that this market will continue to grow substantially in the near future. Around half of this revenue is attributable to services as well as consumables, such as plastic filaments.

3D printing process

In 3D printing with polymer filaments, the molten filament is deposited in layers through a movable nozzle to form a three-dimensional structure. The individual layers fuse into one another and the material solidifies as it cools, allowing complex geometries to be realised as 3D models.

Consistent material quality

Due to the ease with which they can be processed, filaments made of the bio-based plastic PLA (polylactide) and the transparent material PETG (polyethylene terephthalate) are particularly suitable for 3D printing. Thanks to the informed choice of raw material, systematic adjustment of the formula and com prehensive testing, WANHAO has developed a PLA filament offering an outstanding and above all consistent material qual ity.