



Product Catalog



Shenzhen Piocreat 3D Technology Co., Ltd.

Add :19F, JinXiuHongDu Building, Meilong Blvd, Longhua Dist, Shenzhen, China 518131

Tel : +86 0755-2103-9743 | +86 199 2521 7796

Inquiry email : sales@piocreat3d.com

Technical support : after@piocreat3d.com

Web : www.piocreat3d.com | www.pionext3d.com

3D Printing Industry Evangelist

3D Printer Manufacturer

PIOCREAT COMPANY PROFILE

Shenzhen Piocreat 3D Technology Co., Ltd. was established in 2015. Based on independent research, development and independent innovation, the products and technology owns independent intellectual property rights completely. It is a R&D and production enterprise that provides products and solutions for the entire industry chain. Piocreat has three major series and has established a complete industry chain covering 3D printers, 3D design software, 3D printing consumables and 3D printing services; products are divided into dental supporting solutions, particle machine supporting solutions, and luminous characters supporting solutions to meet needs from various users, they are widely used in dental, medical, industrial, advertising, education, jewelry, aviation and other fields.

www.piocreat3d.com
3D Printing Industry Evangelist

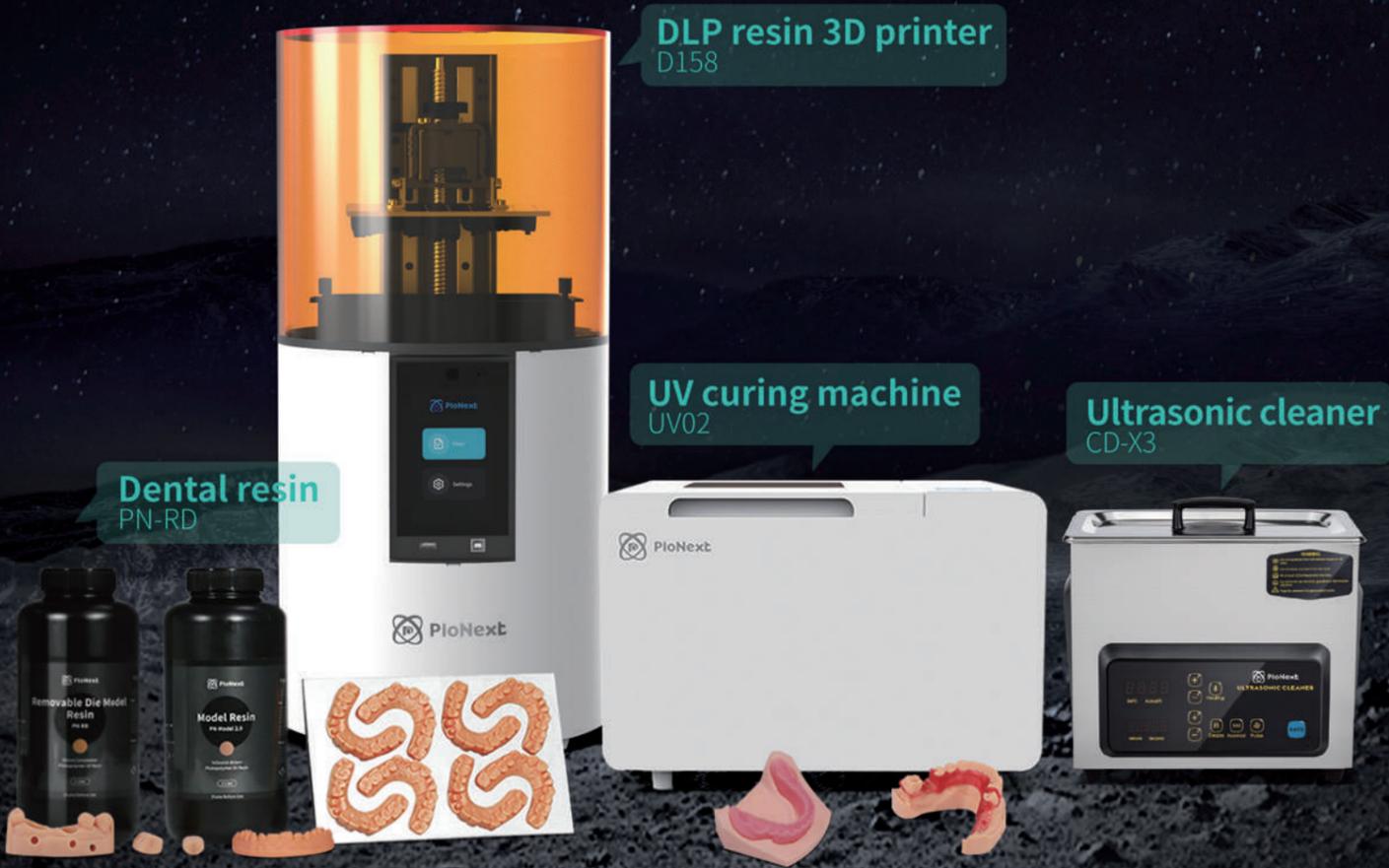
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Dental 3D Printing Solution

3D printer+Dental resin+Cleaning machine+UV curing machine

Dental digital technology replaces traditional dental model manufacturing procedures such as taking impressions, turning over impressions, and model scanning, which greatly shortens the time for patients' diagnosis and treatment, improves the comfort of diagnosis and treatment, and achieves the best treatment effect.



DLP resin 3D printer
D158

UV curing machine
UV02

Ultrasonic cleaner
CD-X3

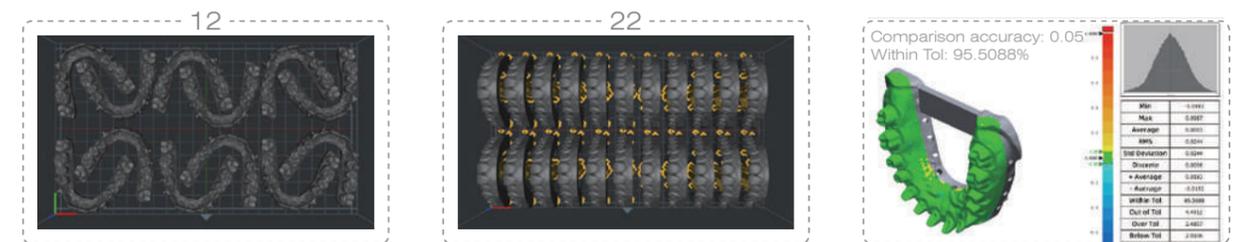
Dental resin
PN-RD

• LCD | Light uniformity 95%

DJ89PLUS

8K 10.3" LCD 3D printer

- 8K 29μm pixel size**
10.3" 8K(7680*4320px) monochrome screen
precise sculpting of model details
- Heating chamber**
chamber heating(20-35°C)
- Automatic feeding**
Avoid lack of resin material
- Stable Z-axis structure**
Dual linear guide rails + ball screw

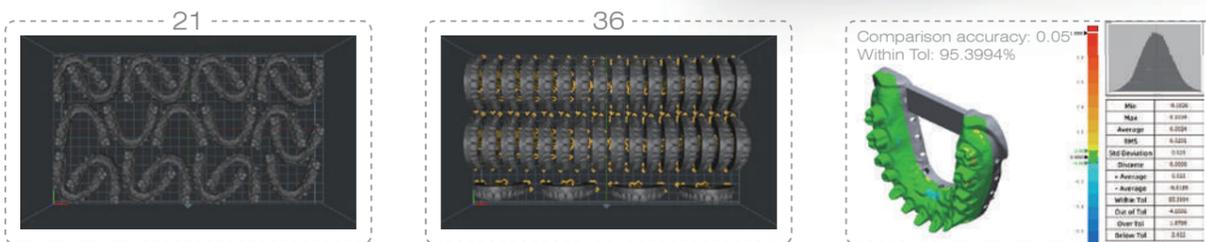


SPECIFICATIONS	DJ89PLUS
Molding tech	LCD
Print size	228×128×100mm
Machine size	450×290×500mm
Print speed	Max.60mm/h
Layer thickness	0.01-0.1mm
XY axis accuracy	29μm
Printing screen	10.3 inch, 8K monochrome
Rated voltage	100-120/200-240V~, 50/60Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	21.75KG
G.W.	26.28KG

D136

7K 13.6" LCD 3D printer

- 7K 46µm pixel size**
13.6" 7K(6480*3600px) monochrome screen
precise sculpting of model details
- High speed release film**
Less release resistance
higher printing success rate
- Large printing size**
298×165×300mm
- Stable Z-axis structure**
Dual linear guide rails + ball screw

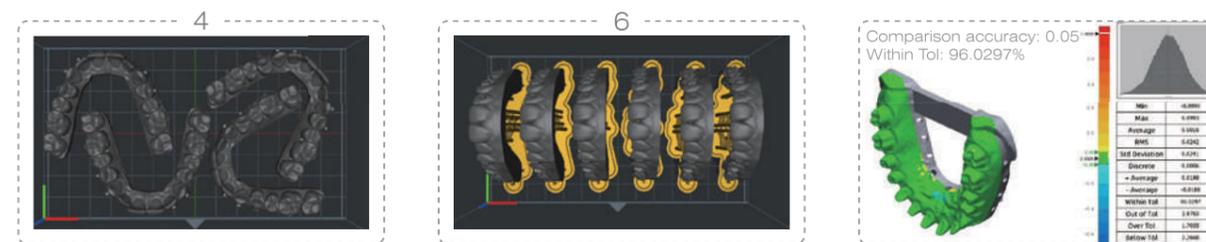
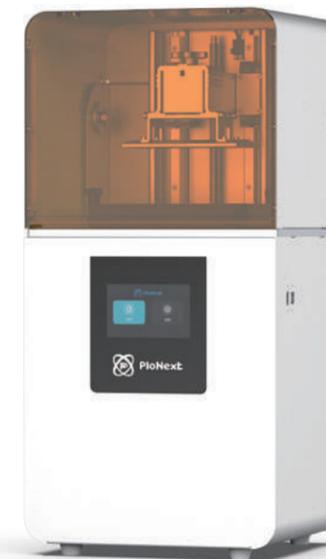


SPECIFICATIONS	D136
Molding tech	LCD
Print size	298×165×300mm
Machine size	480×376×770mm
Print speed	Max.70mm/h
Layer thickness	0.01-0.1mm
XY axis accuracy	46µm
Printing screen	13.6 inch, 7K monochrome
Rated voltage	AC100-240V, 50/60 Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	34.7KG
G.W.	52.15KG

D150

Adjustable light intensity: 6000-20000µw/cm²

- Fast print**
Print speed up to 80mm/h
- High speed release film**
Less release resistance
higher printing success rate
- Adjustable light intensity**
Reduce exposure time
- Light engine life 30,000+ hours**



SPECIFICATIONS	D150
Molding tech	DLP
Print size	144×81×100mm
Machine size	330×300×675mm
Print speed	Max.80mm/h
Layer thickness	0.01-0.1mm
Pixel size	75µm
Rated voltage	100-120/200-240V~, 50/60Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	22.11KG
G.W.	26.5KG

D158

Texas instruments digital micromirror technology

-  **Automatic lifting cover** ●
Finger touch lifting
-  **62µm pixel size** ●
2560*1440px
-  **High speed release film** ●
Less release resistance
higher printing success rate
-  **Stable Z-axis structure** ●
Dual linear guide rails + ball screw

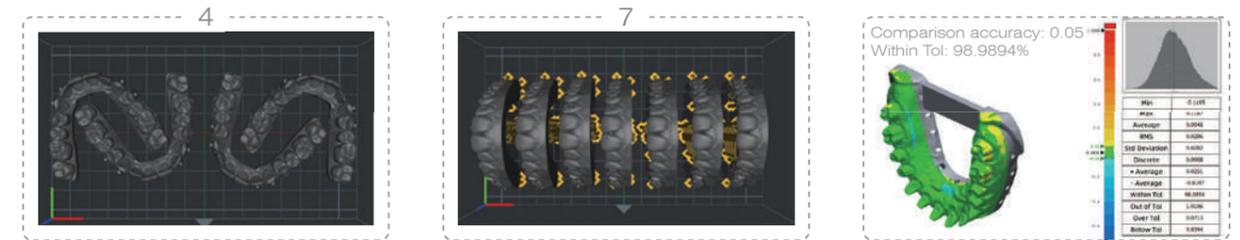


SPECIFICATIONS	D158
Molding tech	DLP
Print size	158×89×100mm
Machine size	280×280×587mm
Print speed	Max.60mm/h
Layer thickness	0.025-0.1mm
Pixel size	62µm
Rated voltage	AC100-240V, 50/60Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	13KG
G.W.	15KG

D160

Texas instruments digital micromirror technology

-  **62µm pixel size** ●
2560*1440px
-  **High speed release film** ●
Less release resistance
higher printing success rate
-  **Stable Z-axis structure** ●
Dual linear guide rails + ball screw

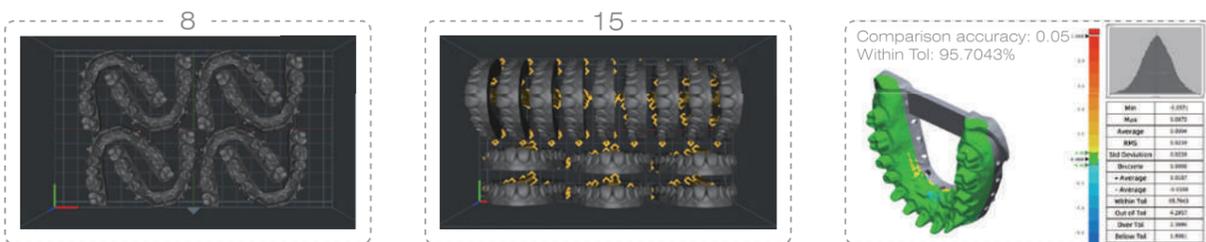


SPECIFICATIONS	D160
Molding tech	DLP
Print size	158×89×100mm
Machine size	280×264×573mm
Print speed	Max.60mm/h
Layer thickness	0.025-0.1mm
Pixel size	62µm
Rated voltage	AC100-240V, 50/60Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	14KG
G.W.	17.5KG

D190

4K DLP 3D printer for dental

- High-precision 4K DLP**
3840*2160px
- High stability**
Very high print success rate
- Strong Z-axis lifting power**
57 Stepper motor continuously outputs lifting power

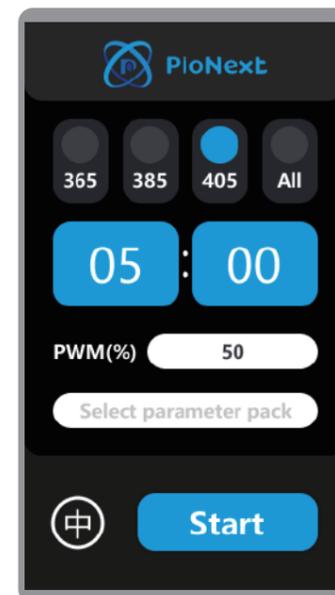
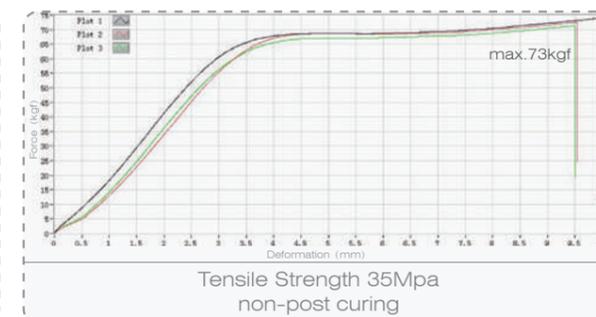
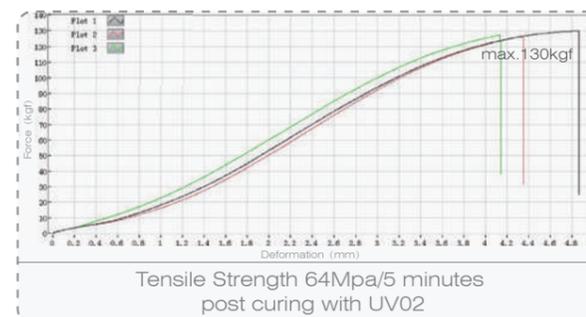


SPECIFICATIONS	D190
Molding tech	DLP
Print size	192×108×100mm
Machine size	330×300×675mm
Print speed	Max.60mm/h
Layer thickness	0.01-0.1mm
Pixel size	50μm
Rated voltage	AC100-240V, 50/60 Hz
Slicer	Piocrat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	21KG
G.W.	25KG

UV02

High speed curing machine adjustable light intensity

- Fast curing**
Curing usually takes 1-5 minutes, reduces distortion due to post-cure exotherm.
- Adjustable light power**
Adjustable light intensity percentage value 5%-100%
- Adjustable wave length**
365nm / 385nm / 405nm customizable
- Presets and customizable cure settings**
8 groups of data



SPECIFICATIONS	UV02
Machine properties	High speed UV curing
Machine color	White
Curing size	D180×H120mm
Machine Size	366×300×250mm
Package Size	464×386×334mm
Rated Power	360W
Input Voltage	100-120V~/200-240V~,50-60Hz
Adjustable light intensity ratio	5-100%
Curing optional time	00:01 - 30:00(Max.30min)
N.W.	11KG
G.W.	14KG

Anti-corrosion hardened

UV02 Recommended Curing Parameter

Resin model	Wavelength	Percentage of Light Intensity	Recommended time	curing with water
PN-model	385、405nm	100%	2 (1,5) min	Yes
PN-model 2.0	385、405nm	80%	2 (1,5) min	Yes
PN-RD	385、405nm	100%	3 (2,8) min	Yes
PN-TEMP	385、405nm	100%	10 (5,15) min	Yes
PN-SG	385、405nm	80%	3 (1,8) min	Yes
PN-CAST	385、405nm	100%	3 (1,8) min	Yes
PN-WM	385、405nm	100%	3 (1,5) min	Yes
PN-GM	385、405nm	100%	10s (5s, 30s)	Yes
PN-Try-in	385、405nm	100%	10 (5,15) min	Yes
PN-Denture	385、405nm	100%	15 (10,20) min	Yes

*UV02 is a special equipment for dentistry. Long-time exposure of general consumer resins on the market may cause the risk of model cracking.

CD-X3

Simple operation, one-click cleaning

SPECIFICATIONS CD-X3

Machine properties	Ultrasonic Cleaning
Tank size	240×135×100(L*W*H)mm
Machine size	265×160×225(L*W*H)mm
Volume	3L
Ultrasonic frequency	40KHz
Ultrasonic power	120W
Heating power	100W
Package size	310×210×280mm
N.W.	3.2KG
G.W.	3.6KG



Before cleaning



After cleaning

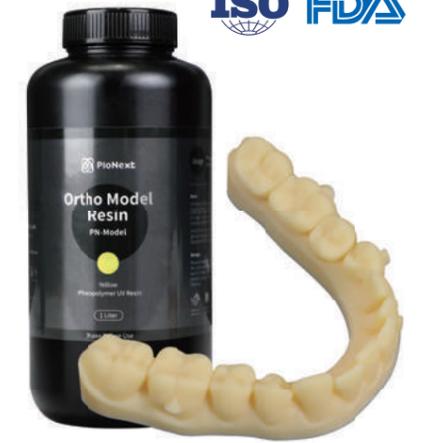
Ortho model resin

Temperature resistant

● yellow ● beige ● gray , customizable



SPECIFICATIONS	PN-Model	
Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	1400-1800MPa
Flexural strength	ASTM D790	70-90MPa
Elongation at break	ASTM D638	10-15%
Heat deflection temperature	ASTM D648@66PSI	75-85°C
Cytotoxicity	ISO 10993-5	
Allergenicity	ISO 10993-10	
Irritant	ISO 10993-10	



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	8-10	≥ 80	23min	44min
D158/D160	4-5	≥ 80	17min	28min
D150	2-3	≥ 80	15min	28min
D136	15-17	≥ 80	41min	72min

Ortho model resin 2.0

Cost-effective

● yellowish brown ● gray , customizable

Material certification
FDA/NMPA

SPECIFICATIONS	PN-Model 2.0	
Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	1200-1600MPa
Flexural strength	ASTM D790	80-95MPa
Tensile modulus	ASTM D638	600-1000MPa
Tensile strength	ASTM D638	40-50MPa
Heat deflection temperature	ASTM D648@66PSI	75-85°C



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	8-10	≥ 80	23min	44min
D158/D160	4-5	≥ 80	17min	28min
D150	2-3	≥ 80	15min	28min
D136	15-17	≥ 80	41min	72min

Surgical guide resin

High transparency

○ Transparent



SPECIFICATIONS	PN-SG	
Hardness	ASTM D2240	D75-85
Tension strength	ASTM D638	40-60MPa
Elongation at Break	ASTM D638	10-15%
Flexural Strength	ASTM D790	100-120MPa
Cytotoxicity	ISO 10993-5	
Allergenicity	ISO 10993-10	
Irritant	ISO 10993-10	

Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100µm)	Printing time (50µm)
DJ89PLUS	10-11	≥ 180	44min	79min
D158/D160	3-4	≥ 150	39min	74min
D150	3-4	≥ 150	35min	68min
D136	15-16	≥ 195	50min	90min

Removable die model resin

Scratch resistance

● wheat complexion ● gray, customizable



SPECIFICATIONS	PN-RD	
Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	1500-2000MPa
Flexural strength	ASTM D790	60-80MPa
Elongation at break	ASTM D638	10-15%
Cytotoxicity	ISO 10993-5	
Allergenicity	ISO 10993-10	
Irritant	ISO 10993-10	

Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100µm)	Printing time (50µm)
DJ89PLUS	10-11	≥ 140	43min	77min
D158/D160	4-5	≥ 120	43min	70min
D150	4	≥ 150	29min	56min
D136	18-19	≥ 80	47min	87min

Dental casting resin

Residue free

● cherry red ● green



SPECIFICATIONS	PN-Cast	
Hardness	ASTM D2240	D80-85
Flexural modulus	ASTM D790	1500-2000MPa
Flexural strength	ASTM D790	45-65MPa
Bakeout temperature	/	1.5h@850°C

Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100µm)	Printing time (50µm)
DJ89PLUS	28-29	≥ 600	34min	60min
D158/D160	11-12	≥ 550	27min	52min
D150	10-11	≥ 550	27min	52min
D136	45-48	≥ 600	37min	66min

Temporary restoration resin

A1/A2/A3/B1/BL1

● A1 ● A2 ● A3 ● B1 ● BL1, customizable



SPECIFICATIONS	PN-Temp	
Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	2000-3000MPa
Flexural strength	ASTM D790	100-140MPa
Tensile modulus	ASTM D638	1100-1500MPa
Tensile strength	ASTM D638	65-85MPa
Elongation at break	ASTM D638	10-15%
Water absorption	ASTM D570	<1.0%
Cytotoxicity	ISO 10993-5	
Allergenicity/Irritant	ISO 10993-10	

Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100µm)	Printing time (50µm)
DJ89PLUS	11-12	≥ 300	45min	81min
D158/D160	6-7	≥ 265	31min	60min
D150	3-4	≥ 280	38min	74min

Try-in resin

Wear and use for a short period (1 month)

● red ● A2, customizable



SPECIFICATIONS PN-Try-in

Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	1800-2500MPa
Flexural strength	ASTM D790	80-100MPa
Tensile modulus	ASTM D638	600-900MPa
Tensile strength	ASTM D638	55-65MPa
Elongation at break	ASTM D638	12-16%
Water absorption	ASTM D570	<1.0%
Cytotoxicity	ISO 10993-5	
Allergenicity/Irritant	ISO 10993-10	



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	5-6	≥ 60	55min	75min
D158/D160	2-3	≥ 45	40min	70min
D150	2-3	≥ 45	40min	67min

Water-washable dental resin

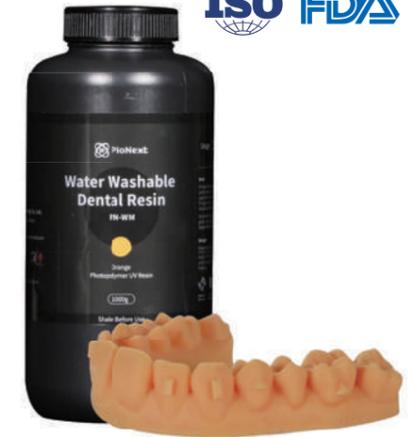
Water-washable

● orange ● gray ● clear blue, customizable



SPECIFICATIONS PN-WM

Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	1000-1500MPa
Flexural strength	ASTM D790	60-75MPa
Tensile modulus	ASTM D638	600-1000MPa
Tensile strength	ASTM D638	40-55MPa
Elongation at break	ASTM D638	10-15%
Heat deflection temperature	ASTM D648@66PSI	75-80°C



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	5-6	≥ 80	29min	44min
D158/D160	2-3	≥ 80	32min	61min
D150	2-3	≥ 80	30min	55min
D136	11-12	≥ 100	35min	62min

Denture base resin

Can be worn for a long time (1 to 3 years)

● red



SPECIFICATIONS PN-Denture

Hardness	ASTM D2240	D85-90
Flexural modulus	ASTM D790	3000-4000Mpa
Flexural strength	ASTM D790	130-150Mpa
Tensile modulus	ASTM D638	1500-2000MPa
Tensile strength	ASTM D638	80-100MPa
Elongation at break	ASTM D638	25-30%
Water absorption	ASTM D570	<1.0%
Cytotoxicity	ISO 10993-5	
Allergenicity/Irritant	ISO 10993-10	



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	5-6	≥ 60	55min	75min
D158/D160	2-3	≥ 45	40min	70min
D150	2-3	≥ 45	40min	67min

Gingiva resin

Excellent elasticity

● gingival red



SPECIFICATIONS PN-GM

Hardness	ASTM D2240	A30-50
Tensile strength	ASTM D 412	8-15MPa
Elongation at break	ASTM D638	300-400%
Tear strength	ASTM D624	12-18kN/m



Machine model	Number of layouts (regular size)	1KG resin printable quantity	Printing time (100μm)	Printing time (50μm)
DJ89PLUS	29-30	≥ 1000	34min	59min
D158/D160	10-12	≥ 1100	30min	57min
D150	7-8	≥ 700	30min	57min
D136	40-42	≥ 1100	40min	71min

Jewelry Resin

Easy to bring your artistic idears to life

PN-JC15

- Castable Wax Resin

Application Field: Jewelry, wax content 15%.

This resin is reliable with zero ash after burnout and provides high-quality direct casting using a standard burnout cycle. Perfect smooth surfaces.



Viscosity: 50-100 cps (@25°C)
Density: 1.05-1.15g/cm3(@25°C)
Ash content: <0.1%



PN-JC20

- Castable White Wax Resin

Application field: Jewelry, wax content 20%.

This is created for directing casting, with high precision, no ash residue during combustion, small deformation and is recommended to use in jewelry making for direct investment.



Viscosity: 50-150 cps (@25°C)
Density: 1.05-1.15g/cm3(@25°C)
Ash content: <0.1%

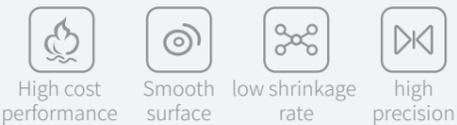


PN-JC30

- Castable High Wax Resin

Application field: Jewelry, wax content 30%.

This is created for directing casting, with high precision, no ash residue during combustion, small deformation and is recommended to use in jewelry making for direct investment.



Viscosity: 600-800 cps (@25°C)
Density: 1.05-1.15g/cm3(@25°C)
Ash content: <0.1%



PN-Rubber Mold

- Rubber Mold Resin

Application field: Jewelry.

With high hardness, our Rubber Mold is designed for high-temperature jewelry forming.

Good temperature resistance and excellent dimensional stability.



Viscosity: 600-800 cps (@25°C)
Density: 1.05-1.15g/cm3(@25°C)
Heat deflection temp.: 70-250°C



Consumer 3D Printers 10.1" 14K LCD(OEM Acceptable)

Print every detail for you, capturing more subtle and complex details and perfectly print out a smooth, burr-free, and almost layer-free model.



C01

14K Ultra-high precision 3D printer

14K 10.1" 14K Monochrome screen

Ultra-high precision

16.8μm*24.8μm

13320*5120px

Print platform

Sand blasting oxidation platform

Stable Z-axis structure

Dual linear guide rails + ball screw



C02

14K Ultra-high precision 3D printer

14K 10.1" 14K Monochrome screen

Ultra-high precision

16.8μm*24.8μm

13320*5120px

Print platform

Laser laser printing platform

Stable Z-axis structure

Dual linear guide rails + T-shaped screw



SPECIFICATIONS	C01
Molding tech	LCD
Print size	223×126×200mm
Machine size	340×292×552mm
Package size	480×425×720mm
Print speed	Max.70mm/h(0.05mm)
Layer thickness	0.01-0.1mm
Resolution	13320*5120
Pixel size	16.8μm*24.8μm
Trough capacity	1000ml
Z-axis type	Dual linear guide rails + ball screw
Print platform	Sand blasting oxidation platform
Rated voltage	100-120/200-240V~, 50/60Hz
Slicer	Piocreat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	15.77KG
G.W.	20.55KG

SPECIFICATIONS	C02
Molding tech	LCD
Print size	223×126×230mm
Machine size	333×270×608mm
Package size	420×350×675mm
Print speed	Max.70mm/h(0.05mm)
Layer thickness	0.01-0.1mm
Resolution	13320*5120
Pixel size	16.8μm*24.8μm
Trough capacity	1000ml
Z-axis type	Double linear guide + T-shaped screw
Print platform	Laser laser printing platform
Rated voltage	100-240V~, 50/60Hz
Slicer	Piocreat BOX (Win7 or above X64, Mac)
Language	13 languages
N.W.	12.45KG
G.W.	15.8KG

CW01

Washing and curing machine

Fully cured ●

360° curing rotating platform

Upgraded lens UV lamp beads ●

Dual wavelength UV lamp bead strip 385/405nm

Stronger cleaning power ●

Ultra-large whirlpool high-speed cleaning

Large capacity cleaning basket ●

240 x 160 x 200mm



SPECIFICATIONS	CW01
Machine name	Washing and curing machine
Control method	Push-button control
Rated voltage	DC 24V
Rated power	60W
Mode	Washing and Curing
Washing time	5min/10min/15min/20min/25min/30min)
Curing time	5min/10min/15min/20min/25min/30min/ 08:0C/18:0C/33:0C (The suffix C means air drying for 3min first and then continue curing)
Washing size	240×160×200mm
Curing size	φ 200×260mm
Machine size	280×230×372mm
Package size	350×295×423mm
Machine language	Chinese/English
N.W.	5.1KG
G.W.	6.4KG

General Resin

Easy to bring your artistic idears to life

PC-Rigid/PC-Rigid 2.0

- **Fast Resin**
- **Low Odor Rigid Resin**
- **Standard Rigid Resin**

Application Field: anime figure, decorative item, etc.

High adaptability: It can be adapted to most of mainstream models in the market. Widely used in making figures, teaching aids, toys, handicrafts, industrial parts, etc.

- High cost performance
- Good liquidity
- Smooth surface
- Short curing time



PC-Clear

- **High Transparency Resin**

Application field: anime figure, decorative item, etc.

High accuracy: the detail texture is well expressed when printing anime figures. Good liquidity, high transparency and high hardness 3D printing resin. This resin presents low contraction, high penetration, high toughness and other mechanical proprieties.

- High cost performance
- Low odor
- Smooth surface
- High transparency



PC-WW/PC-WW 2.0

- **Water Washable Resin**
- **Water Washable Resin 2.0**

Application field: anime figure, decorative item, etc.

This resin presents low odor, low contraction and washability. Instead of using organic solvent to wash, it can be directly washed by water, in this way, avoid the using of volatile organic compounds and the security concerns.

- Washability
- High cost performance
- Good liquidity
- eco-friendly



PC-ABS/PC-ABS 2.0

- **ABS Like Resin**
- **ABS Like Resin 2.0**

Application field: clock and watches, glasses, industrial parts and industrial figures.

This resin presents high printing speed, low contraction, high accuracy, high hardness, and excellent toughness. This resin is suitable for structural sample, industrial figure, industrial parts, etc.

- Flexibility
- Strong impact resistance
- Smooth surface
- Low curing time



General Resin

Easy to bring your artistic idears to life

PC-Flexible/PC-Elastic

- Flexible Resin
- Elastic Resin

Application field: soft object fabrication, for example watchband, pad, etc.

Flexible resin is a 3D printer light cure resin with good flexibility and elongation.



Softness characteristics Good wear resistance Smooth surface Low curing time

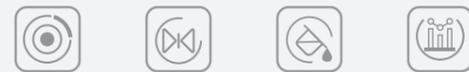


PC-Matte/PC-Matte 2.0

- High Fidelity Model Resin
- Red Wax

Application fields: figures, handicrafts, footwear, teaching and research, toy design, etc.

Model details are realistically presented with matte surface, finished models are easy to color and observed details; it is compatible with all 405 nm UV 3D printers.



Matte finish surface High accuracy Easy to colour Toughness and toughness coexist



PC-Bio/PC-Plant

- PLA Based Resin
- Plant Based Resin

Application field: Anime figures and models with high resolution requirements.

Plant starch purification, green, and friendly to the environment, Naturally degradable, harmless to the environemt.



Environmental friendly Low odor Soft color Wide compatibility



PC-HT

- High Temp Resin

Application fields: jewelry ring die-casting mother mold, small batch low-temperature molds, silicone mold, rubber mold, high-temperature resistant parts, industrial structural parts, and so on.

High temp resin is a temperature-resistant UV curable resin for 3D printing. This resin has the characteristics of high dimensional stability and good high temperature resistance.



Good high temperature resistance High dimensional stability High accuracy Good wear resistance



Pellet 3D Printing Solution

Pellet 3D printer + Pellet material + Dryer

FGF 3D printing is the next evolution in 3D printing technology. These direct-drive pellet extrusion-based printers can print using virgin or recycled pellets, flakes, or regrind materials, bringing us closer to the dream of a circular economy.

- Pellet 3D Printer



- Dryer



- Various composite materials



G5Ultra

Print size 500×500×400mm

Suitable for more materials

Compatible with more pellet materials

Max. nozzle temp ≤420°C

Screw nozzle design + segmented heating

Max. print speed 220mm/s

Printing speed 1kg/h
Print faster and increase work efficiency

Heating bed temp ≤120°C

Spring steel magnetic attraction platform
Heating up quickly, reducing waiting time for printing



SPECIFICATIONS	G5Ultra
Molding tech	FGF
Printing filament	PLA/PETG/PETG+10%GF/ABS/PA6/PS/GPPS/PP/PP+30%GF/TPE/TPV/TPU/15-5PH and other composite materials
Hotbed temp	≤120 C
Nozzle tempature	≤420 C
File transfer	USB/WIFI
Languages	English/Chinese/German/Spanish/French/Italian/Japanese/Portugal/Russian/Turkish
Nozzle diameter	Option 0.4-3mm (standard 0.8 /1.0 /2.0mm)
Rated voltage	AC100-240V 50/60Hz
Rated power	1450W
Slicer	Piocreant_Slicer/Cura/Simplify3D
Max. hopper capacity	3L
Machine size	765×890×1040mm
Package size	845×990×510mm
N.W.	42KG
G.W.	63KG

G12

Print size 1200×1000×1000mm

Suitable for more materials

Compatible with more pellet materials

Max. nozzle temp ≤450°C

Screw nozzle design + segmented heating

Max. print speed 90mm/s

Printing speed 3kg/h
Print faster and increase work efficiency

Heating bed temp ≤130°C

Heating up quickly,
reducing waiting time for printing



SPECIFICATIONS	G12
Molding tech	FGF
Printing filament	PLA/PETG/ABS/TPU/PETG-GF/PC-CF/PA-GF/PA-CF/EVA/ABS-CF/PLA-CF/PP/PP-GF/ASA, recycle materials,self-developed materials.
Hotbed temp	≤130 C
Nozzle tempature	≤450 C
File transfer	USB/WIFI
Languages	English/Chinese/German/Spanish/French/Italian/Japanese/Portugal/Russian/Turkish
Nozzle diameter	0.6-4mm (standard 1.2 /1.5 /2.0 /3.0 /4.0mm)
Rated voltage	AC 220V
Rated power	7000W
Slicer	Piocreant_Slicer/Cura/Simplify3D
Max. hopper capacity	20L
Machine size	2135×1775×2305mm
Package size	1960×1760×2140mm
N.W.	750KG
G.W.	1000KG

G40

FGF 3D PRINTER+5-AXIS CNC

- Printing services as available for large-scale models
- Providing material testing services



Print Size
3725*2500*1330mm

Processing Size
3400*2500*1330mm

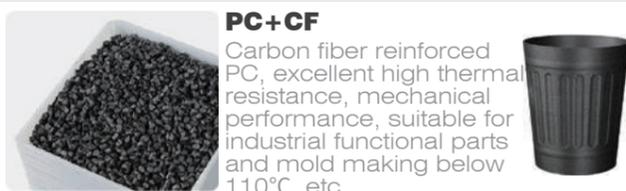
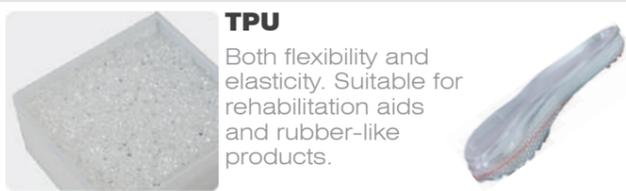
Machine Size
5962*4220*4800mm

N.W.
15000KG

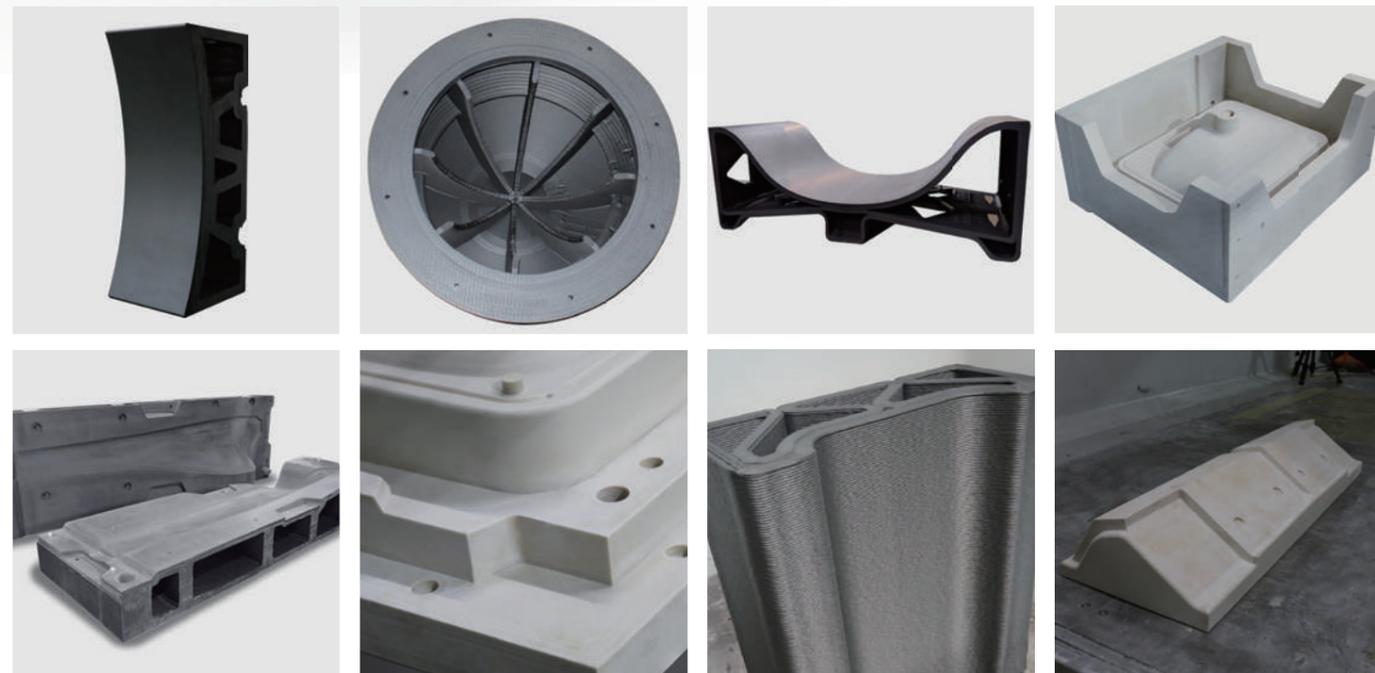
G.W.
16000KG

Pellets

A variety of pellet consumables

 <p>PLA(High carbon content) Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p>	 <p>PLA (White) Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p>
 <p>PETG Good biodegradability, smooth print surface, suitable for indoor decoration, furniture and other applications.</p>	 <p>PETG+10%GF 10% glass fiber reinforced PETG, better printing performance, suitable for indoor decoration, creative furniture, etc.</p>
 <p>PC+CF Carbon fiber reinforced PC, excellent high thermal resistance, mechanical performance, suitable for industrial functional parts and mold making below 110°C, etc .</p>	 <p>ABS With excellent mechanical properties and dimensional stability, it can be used to make molds.</p>
 <p>TPU Both flexibility and elasticity. Suitable for rehabilitation aids and rubber-like products.</p>	 <p>PA+20%GF 20% GF reinforced PA6, high thermal resistance and mechanical strength, suitable for functional parts.</p>
 <p>PP Glass fiber reinforced PP, excellent mechanical performance, suitable for various industries.</p>	 <p>GPPS It is used to make various disposable containers with 100°C temperature resistance, and disposable lunch boxes, etc.</p>
 <p>TPE A new type of polymer material between rubber and resin, often called the third generation of rubber.</p>	 <p>PET+CC(calcium carbonate) Widely used in packaging industry, electronic appliances, medical and health care, construction, automobile and other fields.</p>
 <p>ABS+CF Ease to print, excellent strength & stiffness, dimensional stability, and an amazing surface finish.</p>	

For more material applications, please consult...
MORE





Mold



Fixture



Lampshade



Research Teaching Aids



Sculpture



Household Daily Use



Sofa



Soles



Medical Equipment



Industrial Parts



Fabric



Bridge



Auto Parts



Ship Parts



Aluminum Alloy Model



Tyre

FGF pellet 3D printer applicable aspects in industry

Industrial parts (models of parts used in production equipment)

Lamp manufacturing (shades can be made from a variety of materials)

Garden Landscape (Large Landscape Decoration)

Medical (some medical simulators used or contacted in medicine)

Scientific teaching aids (models used to explain something)

Mold (Mold is made for bulk production)

Household daily use (home life model)

Sculpture (animal sculpture, figure sculpture, etc.)

Footwear (usually refers to molds for sports shoes and beach shoes, slippers, rubber shoes and other footwear, mainly sports shoes)

Model (imitate the original shape of the real object and shrink the sample. It is usually used for display or experiment.)

Industrial tools (industrial models, industrial equipment models, etc.)

Aerospace/automobile/ship (for aerospace vehicle/automobile/ship shape production)

Wind power (for wind power generation model printing)

...

Letter 3D Printing Solution

3D printer + Filament + Curing machine + Acrylic glue

Compared with the traditional production process of advertising characters, using 3D printing to make advertising characters is convenient, fast, low-cost, and rich in effects, which can maximize your creativity and ideas. We believe that 3D printing luminous characters will become a trend.



Sales Engineer 1vs1 Service

The professional sales team will recommend products for you according to your needs accurately.



Channel letter 3D printer

Product model: K6/K8
Max. printing size of letter: 600x600x85mm/800x800x85mm



Supporting 3D printing filament

Optional color: various
Filament features: No blocking, no warping, More material-saving.



Design software available

Creatwit AD slicing software will automatically generate the gcx cutting files of the top and bottom of the letter shell when the slicing model is saved.



Professional after-sales team

Complete after-sales service system + worry-free experience in the whole process.

K6

Print size 600×600×85mm

-  **3D model-free** ●
Import professional software to generate 3D files
-  **Double-in and single-out** ●
Non-manually filament switch in just 1 second
-  **Resume printing function** ●
No need to worry about power loss or filament running out
-  **Double gear double extrusion** ●
Strong extrusion feeding performance with dual gears



K8

Print size 800×800×85mm

-  **3D model-free** ●
Import professional software to generate 3D files
-  **Double-in and single-out** ●
Non-manually filament switch in just 1 second
-  **Resume printing function** ●
No need to worry about power loss or filament running out
-  **One-key quick printing** ●
One-key quick printing with easy operation of auto-leveling



SPECIFICATIONS	K6
Molding tech	FDM
Slicing software	Piocreat AD
Computer operating system	Win10/Win8/Win7
Applicable consumables	PMMA/PETG/PLA (Blackout / Transmittance)
XY-axis positioning accuracy	≤0.05mm
Printing method	SD card
Nozzle diameter	0.6-1.2mm (standard 0.8mm)
Heating bed temperature	≤65°C
Nozzle temperature	≤260°C
Number of nozzles	1
Discharge structure	Two in and one out
Consumable diameter	1.75mm
Power requirements	AC 110V / 220V
Rated power	1160W
Operation speed	≤150mm/s
Machine size	862×1100×654mm
Package Size	1105×950×360mm
N.W.	44KG
G.W.	49KG

SPECIFICATIONS	K8
Molding tech	FDM
Slicing software	Piocreat AD
Computer operating system	Win10/Win8/Win7
Applicable consumables	PMMA/PETG/PLA (Blackout / Transmittance)
XY-axis positioning accuracy	≤0.05mm
Printing method	SD card
Nozzle diameter	0.6-1.2mm (standard 0.8mm)
Heating bed temperature	≤65°C
Nozzle temperature	≤260°C
Number of nozzles	1
Discharge structure	Two in and one out
Consumable diameter	1.75mm
Power requirements	AC 110V / 220V
Rated power	1800W
Operation speed	≤150mm/s
Machine size	1222×1130×700mm
Package Size	1350×1350×720mm
N.W.	77KG
G.W.	138KG

KC-01

Large Industrial LED letter curing machine

UV Lamp Configuration

10 inserted 30W UV ultraviolet rays curing lamps to ensure good curing effect

Glass Translucent Board

High transmittance and uniform illumination, greatly reduces light decay rate

Timing Illumination

Automated scheduling with intelligent one-button control 30min/60min/90min

Cooling System

Built-in efficient fans to decrease lamp temperature



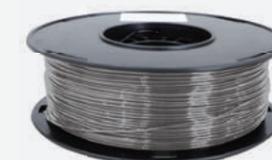
SPECIFICATIONS	KC01
Input voltage	AC 110V/220V
Rated power	300W
UV lamp power	30W*10=300W
Timing	30min/60min/90min
Machine size	L1000 x W950 x H390mm
Package Size	1020 x 1100 x 610mm
N.W.	54KG
G.W.	98KG

PETG

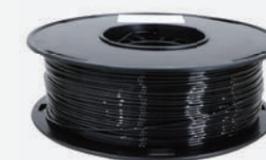
Special materials for channel letter 3D printer



opaque/
translucent white



opaque/
translucent silver



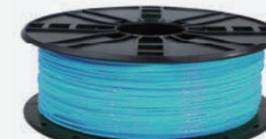
opaque/
translucent black



opaque/
translucent yellow



translucent green



translucent blue



translucent light orange



translucent orange



translucent red



Accessories

D series printer accessories



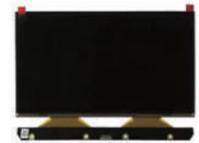
High speed release film
Less releasing resistance to speed up printing and improve printing success rate.



Resin vat
Built-in liquid level reminder to prevent waste caused by excessive dumping.



Print platform
High roughness oxidation sand-blasted platform surface increases the contact area to provide firmer adhesion for printed models during the printing process, and avoid models falling off.



LCD monochrome screen
Monochrome screen with high light transmittance and long service life.

G series printer accessories



Print head kit
Quick heating, good heat dissipation, wide adaptability.



Platform glue
Anti-Warpage 3D Platform Glue
Shake well before use!!!



CR-Touch
Independent research and development, multi-point detection, intelligent compensation, easy installation, strong compatibility.



PEI magnetic platform
Heating up quickly, reducing waiting time for printing. The platform is easy to put and take, can be bent, easy to take the mold.



Extruder screw
Maximum temperature 450°C
Consumables melt thoroughly and extrude smoothly.



Insulation cover
3D printer insulation cover
Thermal insulation, constant temperature printing.



Nozzles of various types
Various types of nozzles
0.4, 0.8, 1.0, 1.5, 2.0, 3.0, 4.0, etc.



Dryer
Quick drying of consumables, improves print quality.

Accessories

K series printer accessories



CR-Touch
Independent research and development, multi-point detection, intelligent compensation, easy installation, strong compatibility.



Heater rod
Rapid temperature rise, good temperature resistance.



Nozzle kit
Uniform filament output, temperature and abrasion resistance, easy replacement.



Fan
Strong wind, optimized filament molding.



Platform glue
Anti-Warpage 3D Platform Glue
Shake well before use!!!



Quick connector
Fast installation, accurate guidance of filament.



Heater block
High temperature resistant alloy to ensure constant temperature of the nozzle.



Extrusion handle kit
High-precision gear matching, smooth input of filament.



Nozzle sensor
Small footprint, high temperature measurement accuracy.



Acrylic glue
Self-developed acrylic glue, bright and light at night.