

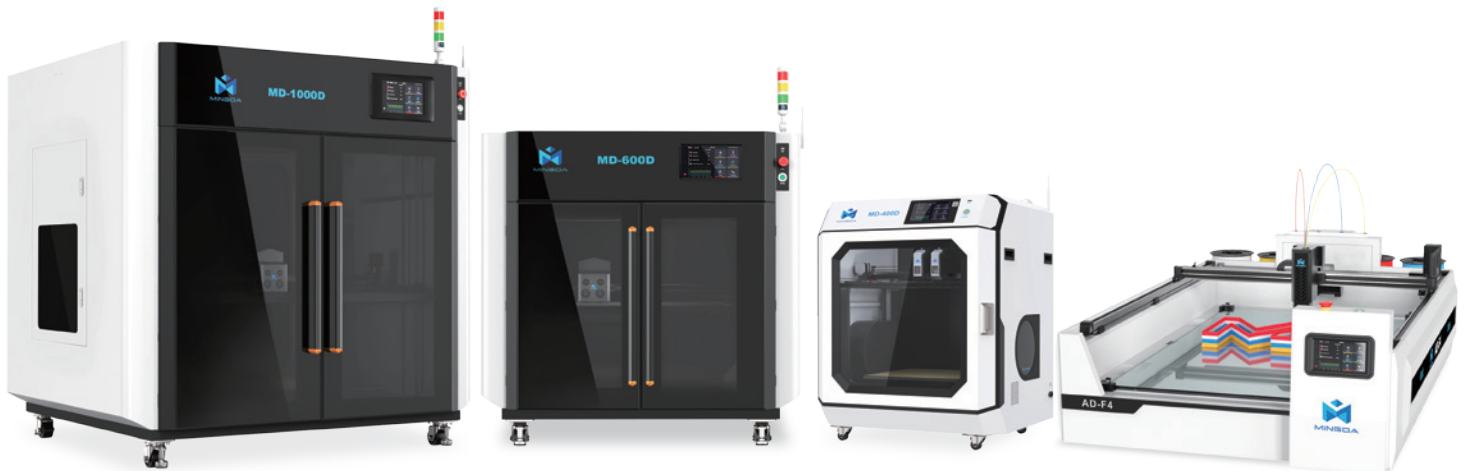


12 YEARS

INDUSTRIAL 3D PRINTER MANUFACTURER

Larger Faster Smarter

One-stop High-Performance 3D Printing Solution Provider



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MINGDA Overview

Shenzhen MINGDA Technology Co.,Ltd has been founded by highly professional and efficient engineer team with extensive experience in FDM industrial grade large-format 3D printer manufacturing and comprehensive solution providing since 2012. Based on the constant innovation for large-format 3D printing technology, MINGDA 3D not only has been recognized as specialized high-tech enterprise by shenzhen government, but also regarded as one of the biggest customized large-format 3D printing technology provider in China.

MINGDA 3D has been evolving with rapid growth 3D printing market simultaneously ever since established, our 3D printing solutions have been successfully applied in numerous industries such as medical equipment, autoparts, aerospace, aeroplane,architecture, sculpture,prototyping, molding and so on.

MINGDA 3D will continuously put much more efforts and resources into 3D printing technology upgrading in the long-term development, we firmly believe our customized 3D printing solution would accelerate the transition of sustainability and reliability for traditional manufacturing.



• MD-400D 3D Printer Workshop



• MD-1000D 3D Printer Workshop



• Channel Letter 3d Printer Workshop



• Channel Letter 3D Printer Workshop



• MD-600D 3D Printer Workshop

Strength Certification



100+ Invention Patent
CE certificate certified by EU NB party, FCC, ROHS



Business Partner



MINGDA MD-1000D



Fast, Reliable And Extra Large



300mm/s
High-speed



1000*1000*1000mm
Super Large Build Size



350degree
High Temperature Hot End



Dual Extruder



Camera & WIFI



Auto-leveling

APPLICATIONS



Automotive Parts (900*500mm)



New Energy Prototype (800*800mm)

TECHNICAL PARAMETER

Printing Parameters

Technical principle:	FDM (Fused Deposition Modeling)
Printing size:	1000x1000x1000mm
Layer height:	0.4-0.48mm (Layer height is determined by the standard nozzle size)
Printing nozzle:	Dual nozzle
Filament holder:	2 (Max 3KG/pcs)
Filament diameter:	1.75mm
Max printing speed:	300mm/s (Recommend Printing Speed: (PLA)200mm/s; (PETG)180mm/s; (PET-CF)100mm/s)
Nozzle diameter:	0.6mm (optional: 0.4mm, 0.8mm)
Leveling method:	Free leveling
Filament types:	PLA, PETG, PETG-CF, PET-CF/GF, HtPA-CF/GF, PA12-CF, HtPA-GF25/CF25, S-Mulit, S-HtPA, etc
Nozzle temperature:	Max 350 °C
Hot bed temperature:	Max 110 °C
Chamber temperature:	45 °C
Intelligent design:	Power-on self-check, filament break detection, remote monitoring, remote control, remote printing, shutdown after printing, camera auto-calibration, voice prompt, alarm light, power-off resume printing, Input shaper, online update, etc.

Equipment Parameters

Maximum power:	3100W
Firmware:	Klipper
Connection:	WiFi, Ethernet, USB
Screen:	10 inch color touch screen
Printing platform:	10mm thick aluminum plate+magnet+PEI
Printing chamber:	Enclosed chassis
Sports system:	Closed-loop control system
Cooling system:	Air-cooled
Filament chamber design:	2 rolls of 3kg filament, auxiliary feeding, Moisture-proof filament chamber
Moving speed:	Max XY 500mm/s,Max.Z 15mm/s
Resolution:	XY: 20µm; Z: 10µm
Dimensions:	Length 1710 * Width 1365 * Height 1665mm
Package weight:	526KG

Security Parameter

Safety design:	Three color warning light, Emergency Stop
Regulatory certification:	CE

Slicing Software

Slicing software:	MINGDA Slicer
Data type:	.3mf .stl .stp .step .amf .obj
Operating system:	Windows/Mac OS

MINGDA MD-600D



Bigger, Faster & Smarter



300mm/s
High-speed



600*600*600mm
Large Build Size



350degree
High Temperature Hot End



Dual Extruder



Camera & WIFI



Auto-leveling

APPLICATIONS



Prototyping and design



Automotive



Functional prototyping



Tools and fitting

TECHNICAL PARAMETER

Printing Parameters

Technical principle:	FDM (Fused Deposition Modeling)
Printing size:	600x600x600mm
Layer height:	0.3-0.36mm (Layer height is determined by the standard nozzle size)
Printing nozzle:	Dual nozzle
Filament holder:	2 (Max 3KG/pcs)
Filament diameter:	1.75mm
Max printing speed:	300mm/s (Recommend Printing Speed: (PLA) 200mm/s; (PETG) 180mm/s; (PET-CF) 100mm/s)
Nozzle diameter:	0.6mm (optional: 0.4mm, 0.8mm)
Leveling method:	Free leveling
Filament types:	PLA, PETG, PETG-CF, PET-CF/GF, HtPA-CF/GF, PA12-CF, HtPA-GF25/CF25, S-Mulit, S-HtPA, etc
Nozzle temperature:	Max 350 °C
Hot bed temperature:	Max 110 °C
Chamber temperature:	45 °C
Intelligent design:	Power-on self-check, filament break detection, remote monitoring, remote control, remote printing, shutdown after printing, camera auto-calibration, voice prompt, alarm light, power-off resume printing, Input shaper, online update, etc.

Equipment Parameters

Maximum power:	2400W
Firmware:	Klipper
Connection:	WiFi, Ethernet, USB
Screen:	10 inch color touch screen
Printing platform:	10mm thick aluminum plate+magnet+PEI
Printing chamber:	Enclosed chassis
Sports system:	Closed-loop control system
Cooling system:	Air-cooled
Filament chamber design:	2 rolls of 3kg filament, auxiliary feeding, Moisture-proof filament chamber
Moving speed:	Max XY 500mm/s,Max.Z 15mm/s
Resolution:	XY: 20µm; Z: 10µm
Dimensions:	Length 1325 * Width 965 * Height 1265mm
Package weight:	325KG

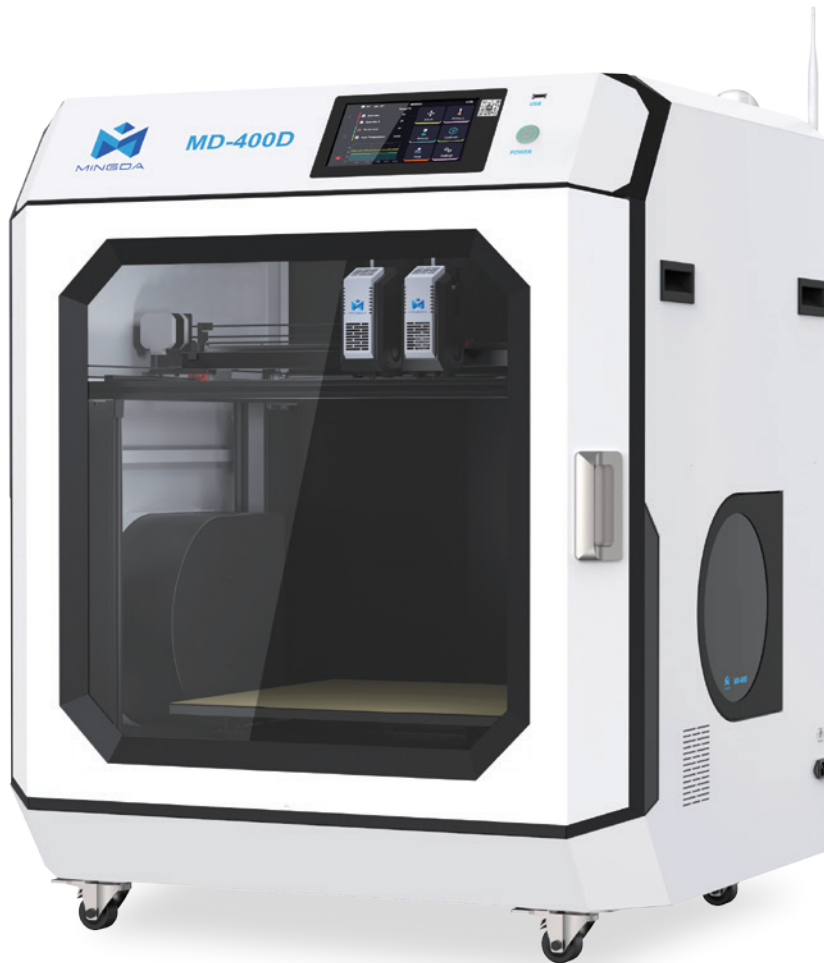
Security Parameter

Safety design:	Three color warning light, Emergency Stop
Regulatory certification:	CE

Slicing Software

Slicing software:	MINGDA Slicer
Data type:	.3mf .stl .stp .step .amf .obj
Operating system:	Windows/Mac OS

MINGDA MD-400D



IDEX Double Productivity



300mm/s
High-speed



Independent
Dual Extruder



350degree
High Temperature Hot End



400*400*400mm
Large Build Size



Camera & WIFI



Auto-leveling

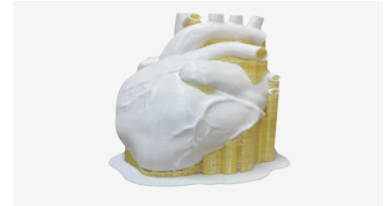
APPLICATIONS



Complex Prototyping and design



Jigs & Fixtures



Medical Parts



Tools and fitting



Automobile manufacturing



Jigs & Fixtures

TECHNICAL PARAMETER

Printing Parameters

Technical principle:	FDM (Fused Deposition Modeling)
Printing size:	400x400x400mm
Copy mode:	400(2*200)*400*400 mm
Mirror mode:	320(2*160)*400*400 mm
Layer height:	0.16-0.24mm (Layer height is determined by the standard nozzle size)
Printing nozzle:	IDEX (Independent Dual Extruders)
Filament holder:	2 (Max 1KG/pcs)
Filament diameter:	1.75mm
Max printing speed:	300mm/s (Recommend Printing Speed: (PLA) 200mm/s; (PETG) 180mm/s; (PET-CF) 100mm/s)
Nozzle diameter:	0.4mm (optional: 0.6mm, 0.8mm)
Leveling method:	Free leveling
Filament types:	PLA, TPU, PETG, PETG-CF, ABS-GF25, PET-CF/GF, HtPA-CF/GF, PA12-CF, HtPA-GF25/CF25, S-Mulit, S-HtPA, PVA, etc
Nozzle temperature:	Max 350 °C
Hot bed temperature:	Max 110 °C
Chamber temperature:	45 °C
Intelligent design:	Power-on self-check, filament break detection, remote monitoring, remote control, remote printing, shutdown after printing, camera auto-calibration, voice prompt, alarm light, power-off resume printing, Input shaper, online update, etc.

Equipment Parameters

Max power:	800W
Firmware:	Klipper
Connection:	WiFi, Ethernet, USB
Screen:	7-inch color touch screen
Printing platform:	10mm thick aluminum plate+PEI
Printing chamber:	Enclosed chassis
Cooling system:	Air-cooled
Bin design:	Independent sealed bins on both sides
Moving speed:	Max XY 500mm/s,Max.Z 15mm/s
Resolution:	XY: 20μm; Z: 10μm
Overall dimensions:	Length 758 * Width 660 * Height 911mm
Package weight:	126KG

Security Parameter

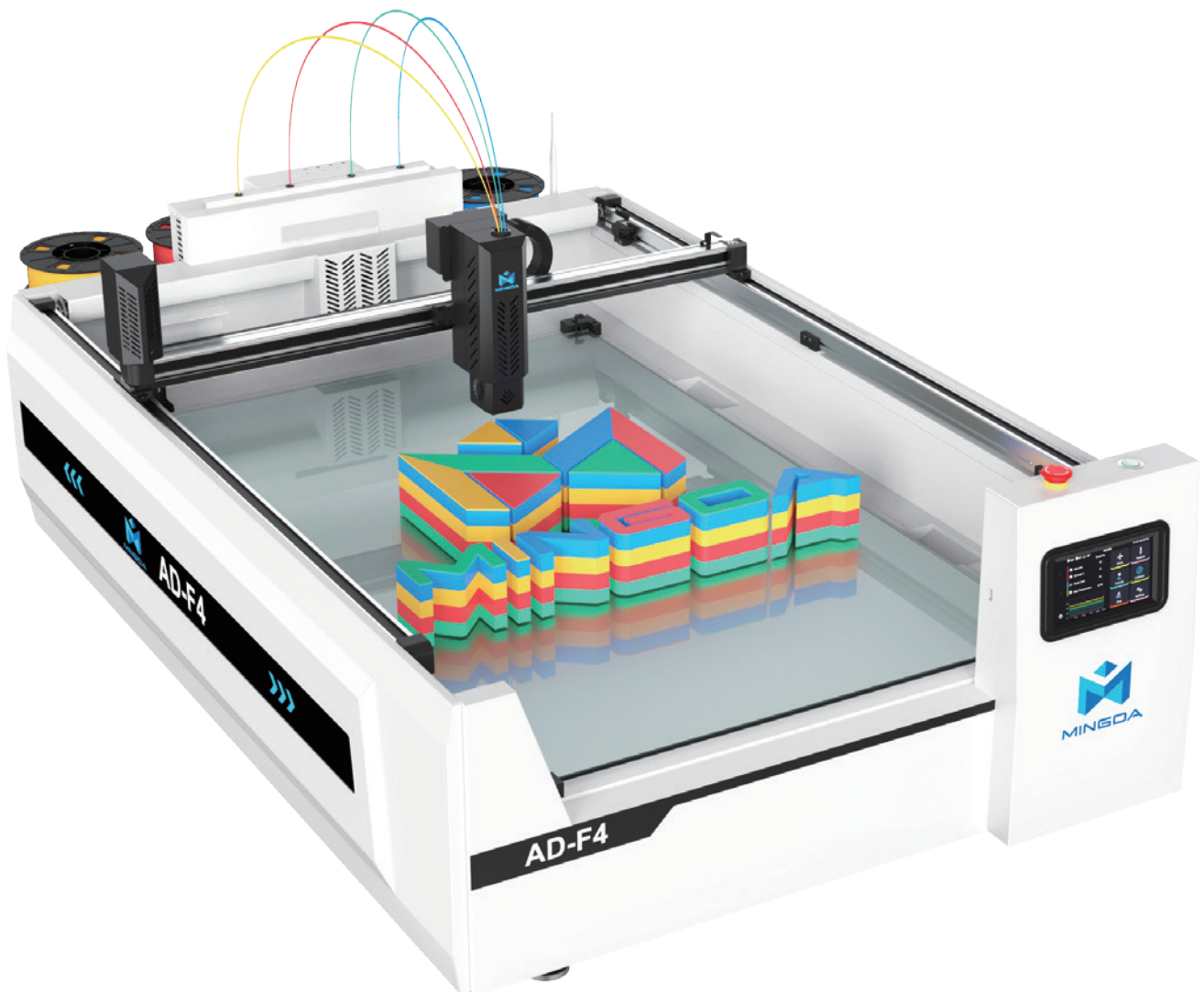
Safety design:	Three color warning light, Emergency Stop
Regulatory certification:	CE

Slicing Software

Slicing software:	MINGDA Slicer
Data type:	.3mf .stl .stp .step .amf .obj
Operating system:	Windows/Mac OS

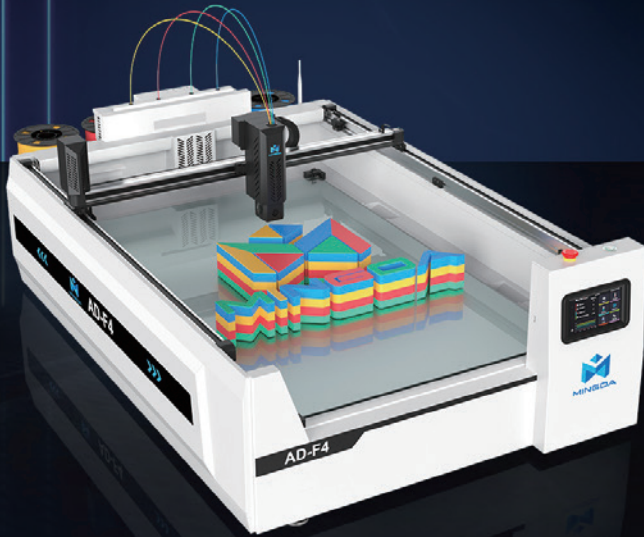
AD-F4





4-color high-speed letter 3D printer



- 5 times faster printing Speed
- 4 Colors automatic color change function
- 1200*800*100mm super large build volume
- Self-developed Software for free Modeling
- Remote Control and Monitoring
- Ultra high cost-effectiveness, efficient mass production

One-Stop 3D Printing Signage Solutions Provider

MINGDA 3D AD-F4

			
Max Build Volume 1200*800*100mm	High-speed Max.300mm/s	IMS four-color feeding system	Filament: PLA,PETG,PDS

**TECHNICAL PARAMETER****Printing Parameters**

Technical principle:	FFF (Fused Filament Fabrication)
Printing size:	1200x800x100mm
Layer height:	0.2-0.42mm (Layer height is determined by the standard nozzle size)
Printing nozzle:	4 in 1 out
Number of trays:	4 (Max 1KG/pcs)
Filament diameter:	1.75mm
Printing speed:	0.4mm nozzle: Max.300mm/s (Recommended 200mm/s) 0.8mm nozzle: Max.150mm/s (Recommended 100mm/s)
Nozzle diameter:	0.6mm (optional: 0.4mm, 0.8mm)
Leveling method:	Gravity-sensing auto-leveling
Material types:	PLA,PETG,PDS, etc
Nozzle temperature:	Max 300 °C
Hot bed temperature:	Max 60 °C
Intelligent design:	Filament break detection, power-off resume printing

Equipment Parameters

Maximum power:	220V/2700W
Firmware:	Klipper
Data connection:	U-Disk, WiFi, Ethernet
Operation screen:	7-inch touch screen
Build Plate:	Tempered Glass Platform
Cooling system:	Air-cooled
Filament Tray Design:	Folding filaments tray
Moving speed:	Max XY 500mm/s,Max.Z 15mm/s
Dimensions:	Length 1109 * Width 1695 * Height 636mm
Package weight:	165KG

Security Parameter

Safety design:	Warning light, Emergency stop button
Regulatory certification:	CE, FCC

Slicing Software

Slicing software:	AdWordCraft, MINGDA Slicer
Data type:	.dxf .svg .3mf .stl .stp .amf .obj
Operating system:	Windows/Mac OS

MINGDA MD-F01

MD-F01 Filament Feeding Cabinet



MAIN ADVANTAGES



Large
Spool Capacity



Automatic
dehumidification and drying



Automatic
Feeding Filaments



5.0 inches friendly
user-interface



Benefits of using a filament feeding cabinet

- **<15% ±5% RH:** Optimal for all filaments.
- **Keeps Filaments Dry, Without Heat:** Maintains tensile strength.
- **Convenient:** Automatic feeding when filaments run out.

MODEL SPECIFICATION

Dimensions	600*450*1560 mm
Bottom Storage Spaces	500*340*410 mm
Net Weight	Approximately 85 kg
Input Voltage / Power	AC 220V / Rated Power 1000W
Temperature Control Range	Room temperature to 50°C
Target Humidity Control	Below 15%
Humidity Control Accuracy	±5% RH
Supported Filament Diameter	1.75 mm
Supported Filament Types	PLA, PETG, ABS, PET-CF, S-Multi, HtPA-CF, PVA, and dozens more (excludes flexible materials such as TPU)
Maximum Spool Capacity	6 spools (4 × 1 kg spools, 2 × 3 kg spools)
Maximum Spool Weight	3 kg per spool
Cabinet Material	Metal Sheet + Glass
Spool Dimensions	1 kg : Diameter 200 mm, Thickness 67 mm 3 kg : Diameter 270 mm, Thickness 105 mm
Feeding Speed	10-80 mm/s

MD-C02

Acrylic resin curing platform MD-C02



- Fast curing speed
- 230W ultra-low power, low energy consumption, low cost, and lower mechanical failure rate
- 1200 * 800mm super large curing size, convenient for mass production, greatly improving production capacity and efficiency
- Large color screen, simple UI design, and more convenient operation.

MD-C02

Advertising Letter 3D Printing Curing Machine

Efficient Curing High Performance



Fast curing speed



Timing



Low Consumption
230W



Big Curing Size
1200*800mm






















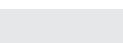














MODEL SPECIFICATION

Model Number:	MD-C02
Tempered glass size :	1200*800mm
Max curing size :	1200*800mm
Machine Size :	1600*970*433mm
Power :	230W(110V-220V)
Timing:	Different Optional
Package Weight:	160KG

Industrial 3D Printing Filament

MINGDA offers a variety of 3D printing filaments that can fulfill a wide range of project requirements.

	Filament	Color	Description	Feature
Functional Filament	 PETG-HF		PETG specially developed for high-speed printing with enhanced toughness	<ul style="list-style-type: none"> Fast Printing Enhanced toughness PETG
	 ABS-HF		Low warpage and anti-cracking ABS specially developed for high-speed printing	<ul style="list-style-type: none"> Fast Printing ABS suitable for large size molding
Engineering Filaments	 ABS-ESD		Self-Supporting	<ul style="list-style-type: none"> Anti-Static Applications
	 PET-GF		15% glass fiber reinforced PET	<ul style="list-style-type: none"> Entry-Level Engineering Materials
	 PET-CF		15% carbon fiber reinforced PET	<ul style="list-style-type: none"> Meet most industrial applications, not sensitive to moisture, cost-effective
	 PA12-CF		15% carbon fiber reinforced nylon 12	<ul style="list-style-type: none"> Lightweight Industrial Application
	 HTPA-GF		15% glass fiber reinforced high temperature nylon	<ul style="list-style-type: none"> Special high-temperature nylon, the lowest moisture absorption rate among nylon materials, high strength and high rigidity, suitable for long-term high-temperature industrial applications
	 HTPA-CF		15% carbon fiber reinforced high temperature nylon	
	 TPU95A-HF		Hardness 95A TPU for High speed printing	<ul style="list-style-type: none"> Easier printing TPU than similar materials
Flex Filaments	 TPU 75D		Hardness 75D TPU	<ul style="list-style-type: none"> Medical protective gear application
Coating Coated Fiber Technology Fiber Reinforcement Filaments	 ABS-GF25		Coating technology 25% glass fiber reinforced ABS	<ul style="list-style-type: none"> A new generation of ABS material, reinforced with high content of glass fiber, solves the problem of ABS cracking and warping, and has good interlayer strength
	 ABS-CF20		Coating technology 20% carbon fiber reinforced ABS	
	 ASA-CF20		20% Carbon Fiber-Reinforced ASA with Coating Technology	<ul style="list-style-type: none"> Next-Gen High-Fiber ASA: Eliminating Warping & Cracking with Superior Layer Bonding
	 HtPA-GF25		Coating Technology 25% glass Fiber Reinforced High Temperature Nylon	<ul style="list-style-type: none"> Best mechanical properties of all materials, choice for high-end applications
	 HtPA-CF25		Coating Technology 25% Carbon Fiber Reinforced High Temperature Nylon	<ul style="list-style-type: none"> Best mechanical properties of all materials, choice for high-end applications
	 S-Multi		Easy-peel support for PET, PA12, ABS-HF, ABS-GF/CF, TPU Filaments	<ul style="list-style-type: none"> Suitable for IDEX 3d printers, forming a solution with industrial grade filaments
Easy Peel Support Filaments	 S-HtPA		Easy-peel support for HtPA series high temperature nylon Filaments	<ul style="list-style-type: none"> Suitable for IDEX 3d printers, forming a solution with industrial grade filaments

Channel Letter 3D Printing Filament

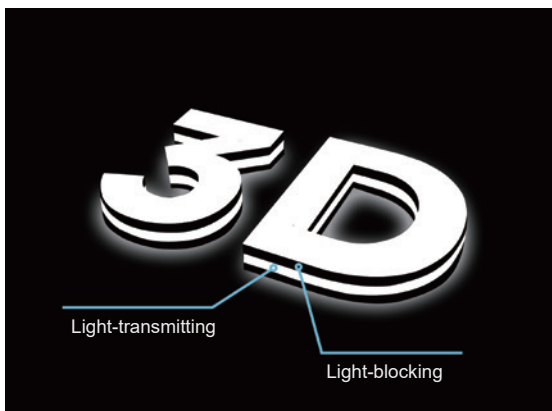
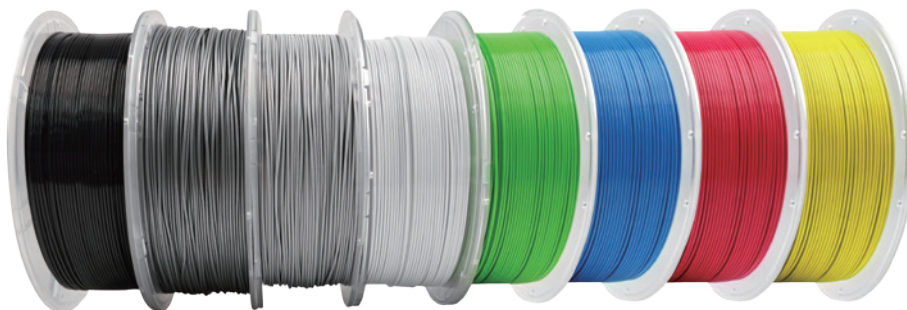
AdPETG Tough Light-transmitting Filament



Advantages

- Easy to print, with high strength and durability for printed characters.
- Light transmittance can exceed 90%, making it suitable for lightbox lettering, backlit signage, or translucent parts of illuminated letters.
- Long-term use without yellowing, ideal for both indoor and outdoor applications.

AdPETG Tough Light-blocking Filament



Advantages

- Easy to print, with high strength and durability for printed characters.
- Excellent light-blocking effect, resistant to localized light leakage.
- Long-term use without yellowing, ideal for both indoor and outdoor applications.

AdPETG Tough Light-transmitting Filament



Red



Yellow



Blue



Lake Blue



Aqua Blue



Orange



Gold



Dark Green



Green



Mint Green



Dark Purple



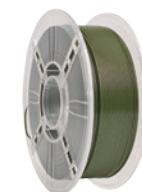
Purple



Pink



White



Bronze



Black



Silver



Gray



Transparent



Transparent Blue



Transparent Purple



Transparent Orange



Transparent Green



Transparent Red



Transparent Yellow

AdPETG Tough Light-blocking Filament



Red



Blue



Green



Yellow



Black



Silver



Gray



White



MINGDA Slicer is an integrated additive manufacturing collaboration platform that combines model design and repair, automated 3D model slicing, online monitoring, and printing process optimization.

Provide the best slicing experience for customers of D series and channel letter printers.

Preparing the print file before printing is essential to ensure print quality.

The key steps and perfect material configuration parameters make it easy for beginners to use. Compared to conventional 3D printing slicing software, MINGDA Slicer has made significant optimizations in material technology, slicing process, and system integration. Provide necessary support for additive design and manufacturing at various stages, while comprehensively laying out the future intelligent manufacturing ecosystem.



Core Functions



01 Before Printing
Model design repair simulation
Scheme comparison, parameter preview

02 Printing
Real time monitoring
Online printing intelligent management

03 After printing
Material and process optimization



Data compatibility and processing capabilities



Variable line width functionality



Customizable support structure



Set printing parameters based on the model



Comprehensive material and process library



Open slicing parameter settings



Post-processing slice visualization



Supports real-time data reading during the printing process



Model checking and repair



MINGDA AdWordCraft

MINGDA AdWordCraft

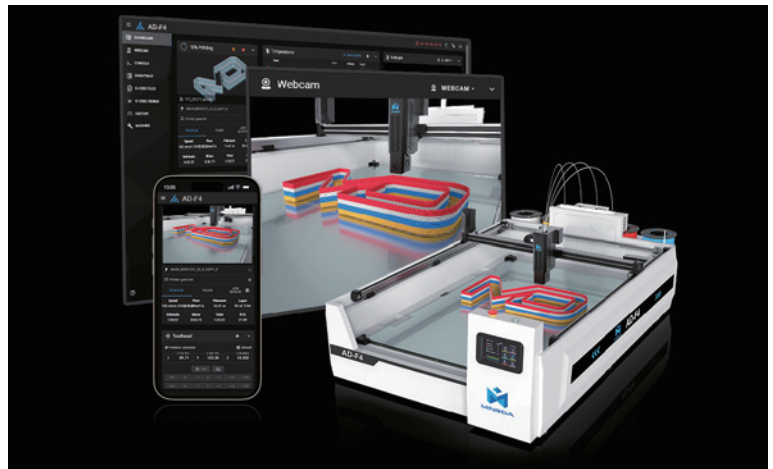


Available Modeling

Font generation, vector file reading, 3D model generation. Expected to be twice as fast as the original version. Experience unparalleled creativity with our advanced software, which offers 2D to 3D conversion, text generation, and the ability to create fonts in various shapes.

Remote Control And Monitoring

Support sending printing tasks to printers through WAN/LAN networks, controlling and viewing various aspects of 3D printers and printing tasks. If you have multiple printers, you can easily switch among them in the device list.



Supported files



Supported systems



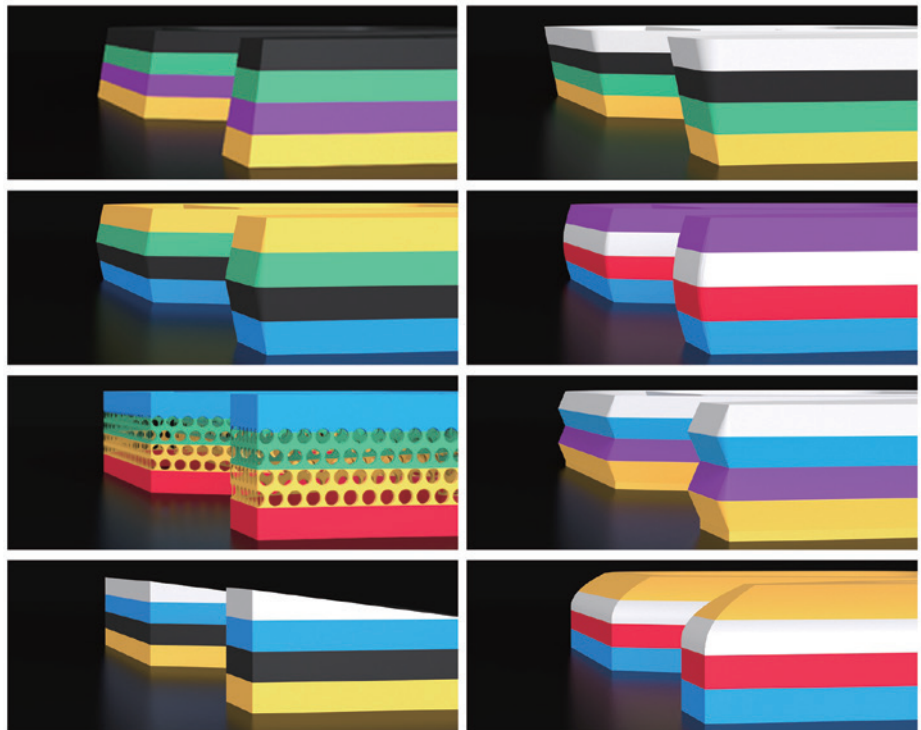
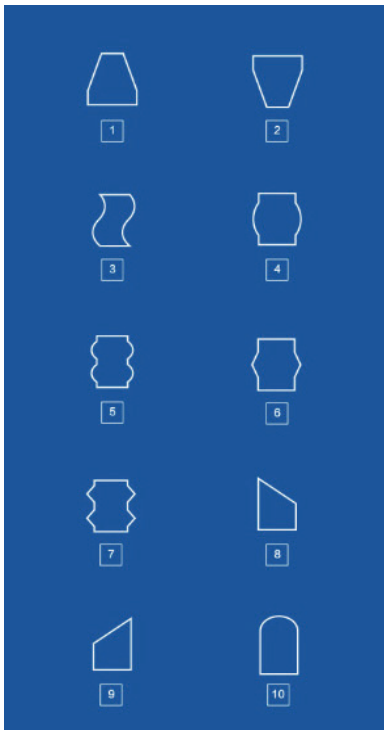
Windows



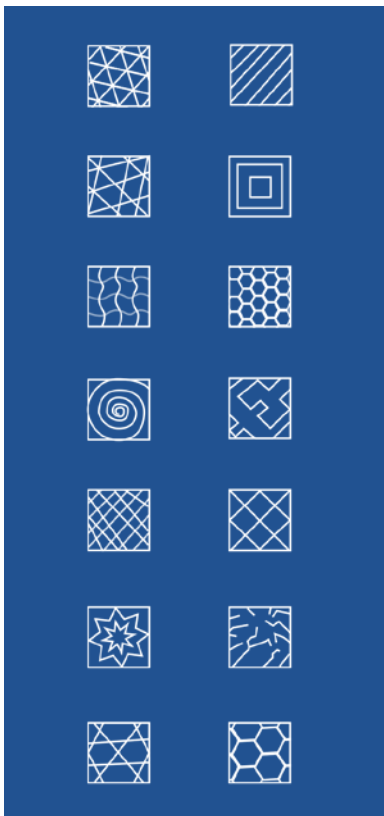
Mac

Supported Fonts

Example of Advertising Letters-Side Shapes



Example of Advertising Letters-Face patterns



Overseas Technical Training



▲ Slovak customers



▲ Korean customers



▲ Estonian customers



▲ Norwegian customers



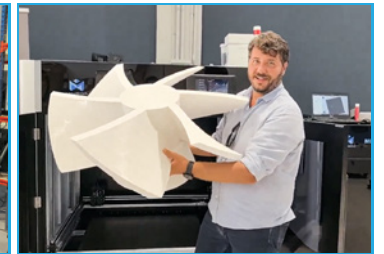
▲ Estonian customers



▲ German customers



▲ Polish customers



▲ Italian customers



▲ American customers



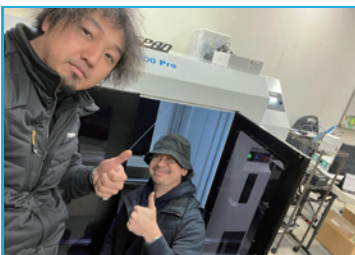
▲ Thai customers



▲ UAE Dubai customers



▲ Saudi Arabia customers



▲ Japanese Customers



▲ German Customers



▲ Hungarian Customers



▲ Malaysian Customers



▲ Italian Customers



▲ Czech Customers



▲ Saudi Arabia Customers



▲ Korean Customers

MINGDA 3D printer after-sales service commitment



Extra long warranty



Quick Response Within 1 Hour



Exclusive 1-on-1 Technical Support



Major Service Segments for MINGDA Users

01

Online Installation and Debugging Assistance

02

Equipment Operation Training

03

Slicing Process Guidance

04

Routine Equipment Maintenance Guidance

05

Equipment Software System Upgrades

06

Model Printing Troubleshooting

07

Equipment Troubleshooting

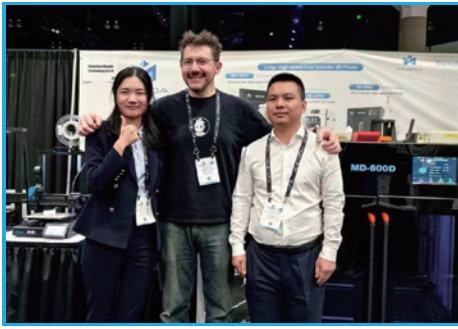
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Spare Parts Replacement

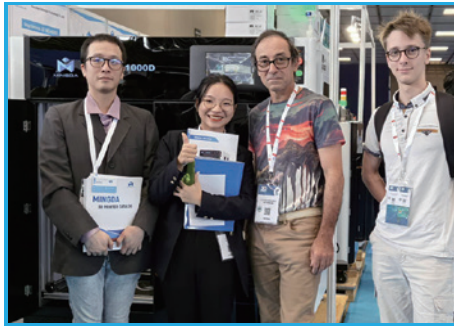
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Sample Printing Assistance

Exhibition



▲ TCT USA Exhibition



▲ French Exhibition



▲ Türkiye Exhibition



▲ Saudi Exhibition



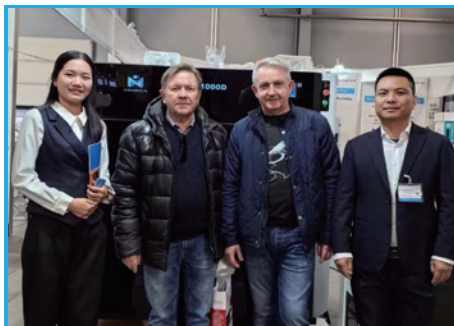
▲ Dubai Exhibition



▲ TCT Japan Exhibition



▲ Guangzhou Advertising Exhibition



▲ Poland Exhibition



▲ Korean Exhibition



▲ Australian Exhibition



▲ Formnext Germany Exhibition



▲ Italy Exhibition

Global Business Map



- Official Distributor/Reseller
- Global Marketing & Supporting Location



MINGDA

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