MINGDA

ONE-STOP
HIGH-PERFORMANCE
3D PRINTING SOLUTIONS

MINGDA 3D Printer Catalog

Professional High-temperature Industrial 3D Printer

www.3dmingda.com

Shenzhen MINGDA Technology Co.,Ltd

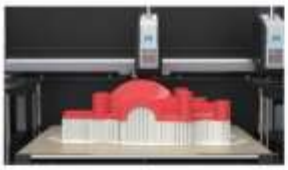
MINGDA MD-400D

- High-Temperature IDEX 3D Printer
- A Truly Independent Dual Extrusion System for Unparalleled Multi-Material Capabilities

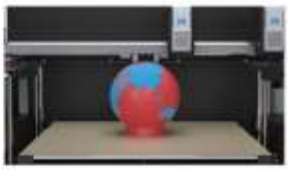
FOUR PRINTING MODES

Duplicate Mode
Speed up production

Mirror Mode
Printing symmetrical models



Supports Mode
Printing complex structural components



Dual-Color Mode
Printing two-color models

APPLICATIONS

Complex Prototyping and design

Jigs & Fixtures

Medical Parts

Aerospace components

Automobile manufacturing

Research and Education

TECHNICAL SPECIFICATIONS

Print Technology:	Fused Deposition Modeling(FDM)	Extruder Temperature:	≤350°C
Print Volume:	400*400*400 mm	Platform Temperature:	≤110°C
Duplicatio Mode:	400(2*200)*400*400 mm	Print Speed:	60-100 mm/s (recommend), Max travel speed 200mm/s
Mirror mode:	350(2*175)*400*400 mm	Print Precision:	± 0.1 mm
Extruder Quantity:	2	Filament Compatibility:	Common filament: PLA, ABS, TPU, PETG; Engineering filament: PA-CF/GF, PET-CF/GF,HtPA-CF/GF, ABS-GF25, ABS-CF20, PA-GF25/CF25; Support filament: S-Mulit, S-HtPA, PVA, etc
Nozzle Diameter:	0.4mm standard (0.6, 0.8, 1.0mm optional)		

MINGDA MD-600 Pro

- High-Performance Industrial 3D Printer
- Precision 3D Printing for Unlimited High-Performance Filaments

10 ADVANTAGES

- All-Metal Hotend Up to 350°C
- Auto Leveling
- Supports Different Filaments
- Full-Size Printing
- Direct Drive Extruder
- PEI Platform
- Auto Shutoff
- Power Loss Recovery
- Filament Detector
- Safety System

APPLICATIONS

Prototyping and design

Functional prototyping

Tools and fitting

Art and sculpture

Automotive

Jigs & Fixtures

Electrical and electronics (E&E) industry

TECHNICAL SPECIFICATIONS

Print Technology:	Fused Deposition Modeling(FDM)	Extruder Temperature:	≤350°C
Print Volume:	600*600*600 mm	Platform Temperature:	≤110°C
Extruder Quantity:	1	Print Speed:	60-100 mm/s(recommend), Max travel speed 200mm/s
Nozzle Diameter:	0.6mm standard (0.4, 0.8, 1.0mm optional)	Filament Compatibility:	Common filament: PLA, ABS, TPU, PETG; Engineering filament: PA-CF/GF, PET-CF/GF,HtPA-CF/GF, ABS-GF25, ABS-CF20, PA-GF25/CF25; etc
Print Precision:	± 0.1 mm		

MINGDA MD-1000 Pro

- Massive Print Volume 3D Printer
- Create Big Robust Parts With Solid Mechanical Properties

10 ADVANTAGES

- All-Metal Hotend Up to 350°C
- Auto Leveling
- Supports Different Filaments
- Full-Size Printing
- Direct Drive Extruder
- PEI Platform
- Auto Shutoff
- Power Loss Recovery
- Filament Detector
- Safety System

APPLICATIONS

Prototyping and design

Functional prototyping

Tools and fitting

Art and sculpture

Automotive

Jigs & Fixtures

Electrical and electronics (E&E) industry

TECHNICAL SPECIFICATIONS

Print Technology:	Fused Deposition Modeling(FDM)	Extruder Temperature:	≤350°C
Print Volume:	1000*1000*1000 mm	Platform Temperature:	≤110°C
Extruder Quantity:	1	Print Speed:	60-100 mm/s(recommend), Max travel speed 200mm/s
Nozzle Diameter:	0.6mm standard (0.4, 0.8, 1.0mm optional)	Filament Compatibility:	Common filament: PLA, ABS, TPU, PETG; Engineering filament: PA-CF/GF, PET-CF/GF,HtPA-CF/GF, ABS-GF25, ABS-CF20, PA-GF25/CF25; etc
Print Precision:	± 0.1 mm		

3D Printing Filament

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

	Filament	Material Characteristics	Applications
Common Filament	 **PLA** Recommended to beginners	▪ Easy to print ▪ High stiffness and strength ▪ Biodegradable and environmentally friendly	▪ Prototyping and design ▪ Architecture models ▪ Manufacture aids ▪ Art and sculpture
	 **PETG-HF** User-friendly filament for general applications	▪ Excellent chemical resistance ▪ Easy to print ▪ High stiffness and strength ▪ Good impact resistance	▪ Prototyping and design ▪ Containers and bottles ▪ Manufacture aids ▪ Education and visualization
	 **ABS-HF** Reliable and versatile rigid filament	▪ Excellent impact resistance ▪ Good stiffness and tensile strength ▪ Good chemical resistance	▪ Functional prototyping ▪ Tools and fitting ▪ Prototyping and concept models
	 **ASA** Ideal filament for outdoor applications	▪ UV resistance ▪ High impact and wear resistance ▪ High heat resistance ▪ High toughness	▪ Items for outdoor use ▪ Manufacturing aids and fixtures ▪ Production tools ▪ Functional prototypes
Engineering Filament	 **PA12 CF** Nylon12 carbon fiber	▪ Superior interlayer bonding strength ▪ Stiff and strong ▪ Lower shrinkage ratio ▪ Heat and wear resistant & Chemical resistant	▪ Manufacturing aids ▪ Automotive ▪ Aerospace ▪ Jigs & Fixtures
	 **PET-CF** PET carbon fiber	▪ Strong and high stiffness ▪ High dimensional stability ▪ Low moisture absorption ▪ Creep and chemical resistance	▪ Automobile ▪ Jigs & Fixtures ▪ Manufacture aids ▪ Electrical and electronics (E&E) industry
	 **HtPA-CF** High temperature nylon carbon fiber	▪ High rigidity and strength ▪ Better thermal performance ▪ Lower moisture absorption ▪ Chemical resistance	▪ Automobile ▪ Aerospace ▪ Electrical and electronics (E&E) industry ▪ Industrial end-use parts
	 **PET-GF** PET glass fiber	▪ Low moisture absorption ▪ High dimensional stability ▪ Heat and chemical resistance ▪ Creep resistance	▪ Automobile ▪ Jigs & Fixtures ▪ Manufacture tools ▪ Electrical and electronics (E&E) industry
	 **HtPA-GF** High temperature nylon glass fiber	▪ High rigidity and strength ▪ Excellent thermal performance ▪ Lower moisture absorption ▪ Chemical resistance	▪ Automobile ▪ Aerospace ▪ Electrical and electronics (E&E) industry ▪ End-use parts
	 **TPU95A-HF** Flexible filament	▪ Elastic and flexible ▪ Wear and tear resistance ▪ Durable and resilient	▪ Seals, tubes ▪ Protective cases ▪ Shoes and insoles ▪ Bushings, gaskets
Support Filament	 **S-Multi** (Compatibility: PET, PA12, ABS-HF, ABS-GF/CF, TPU)	▪ Easy to remove and break-away	▪ Printing complex geometry ▪ Printing large overhangs and cavities ▪ 3D prints with moving parts
	 **S-HtPA** (Compatibility: HTPA-CF, HTPA-GF)	▪ Easy to remove and break-away	▪ Printing complex geometry ▪ Printing large overhangs and cavities ▪ 3D prints with moving parts
	 **PVA** (Compatibility: PLA)	▪ Water-soluble	▪ Printing complex geometry ▪ Printing large overhangs and cavities ▪ 3D prints with moving parts

Italian Slovenian official reseller - please contact : Paul
mailto: sales@3dfilum.com - Mob/W.App/Viber/telegram: +386.40.582.343