

# Geeetech THUNDER Kickstarter Campaign Starts, High Speed 3D Printer Up to 300mm/s From \$399

*THUNDER high speed 3D printer  
Kickstarter campaign launches on  
September 15th, super low price from  
\$399 for super early birds.*

SHENZHEN, GUANGDONG, CHINA,  
September 15, 2022 /  
EINPresswire.com/ -- 3D printing has  
been time-consuming and challenging.  
But in 2022, with the advent of high  
speed 3d printers, 3D printing  
enthusiasts is getting a faster and  
smarter printing experience. From  
September 15th, [Geeetech](#)'s new 3D printer THUNDER with up to 300mm/s printing speed is  
ready for pre-order on [Kickstarter](#). Super early birds will get a bottom price of \$399.



thunder kickstarter starts on September 15th

## Price and Availability

The retail price of [Geeetech THUNDER](#) 3D printer is \$699. The THUNDER 3D Printer has gone through thousands of tests and is currently in mass production. Shipment will start by early November. After the campaign ends, THUNDER will start normal sale on Geeetech official website.

Super Early Birds □ \$399, 42% off  
Early Birds □ \$429, 38% off  
Kickstarter Popular □ \$459, 34% off  
Kickstarter Special □ \$499, 28% off  
Kickstarter Special Extra □ \$529, 24% off  
Stretch Goal Special □ \$599, 20% off  
2x Early Birds Bundle □ \$429x2, 38% off  
5x Super Early Birds Bundle: \$399x5, 42% off

## High Speed 3D Printing up to 300mm/s

Compared to traditional FDM 3D printers which limit the printing speed to 100mm/s, Geeetech THUNDER allows users to print at the speed of 50-300mm/s with acceleration of 5000mm/s<sup>2</sup> for X-

axis and 4000mm<sup>2</sup> for Y-axis. According to the complexity of the 3D model, the printing time is saved by 30%-70%. While printing with high speed, the print quality is not degraded. It offers 4 pre-set printing modes: Slow mode, Normal mode, Fast mode, Crazy mode. THUNDER also enables a user mode which users can set and share their customized parameters.

#### Innovative Technologies, All for Achieving Fast Speed 3D Printing

The excellent speed of the THUNDER 3D printer is achieved by all-metal construction, X/Y axis closed-loop control, advanced software algorithm, Y axis damping mechanism, 5 cooling fans in hotend, dual CPU control and high efficient extrusion system.

The all-metal construction design increases the weight of the machine, reducing the center of gravity of the machine and allowing fast speeds and extreme acceleration. THUNDER adopts closed-loop driver. Compared with open-loop driver, when using the same stepper motor, closed-loop driver can produce greater torque, allowing the printer to intelligently monitor the printing process and response in real time, the printed model is not easy to dislocate. Combined with the dual CPU control, thunder enables to allocate and manage tasks effectively and response immediately in high speed printing.

Geeetech THUNDER specially designed a professional damping structure for the Y axis, which intelligently manages the speed changing and largely reduces the vibration rate of the machine. It allows smoother movement for the hotbed.

To cope with high speed printing, THUNDER sports a high efficient extrusion system with dual-drive gear extruder, large volume nozzle and up to 70W heating rod. Of course, strong cooling system is a must-have feature for high speed 3D printer. Geeetech Thunder designed two high-volume cooling fans on the hot end, and to achieve high-speed single-layer printing, it also added two larger auxiliary part cooling fans. These 4 fans can be turned on with the "One-button Strong Cooling Mode" button to offer super strong cooling for the printed model. At this time, the hotend fan runs at 150% speed and auxiliary fan runs at 100%.

#### Adds-on

Along with the THUNDER high speed 3D printer, Geeetech also developed high speed filament HS-PLA for fast speed 3D printing. Compared with normal PLA, HS-PLA has stronger fluidity in the molten state, smoother discharge in the high-speed printing process, faster curing speed and less deformation when forming. Printing with the HS-PLA filament gains faster speed, better print quality and more delicate surface. Geeetech offers the HS-PLA filament as adds-on in Geeetech THUNDER Kickstarter campaign. The price is \$75 for 3 rolls and \$138 for 6 rolls.

#### Specs of THUNDER:

Technology □ FDM

Body Material □ Metal

Hotbed Type □ Fixed Hotbed

Build Plate	PC Film+Spring Steel Plate+Rubber Magnetic Plate
Extruder	High Speed Dual Drive Gear Extruder
Z-axis	Dual Z-axis
Y-axis Reinforcement Equipment	Changable Speed Damping Mechanism
X/Y-axis Belt Quick Adjustment	Support
Nozzle Diameter(Standard)	0.4mm
Nozzle Diameter(Optional)	0.2mm, 0.6mm, 0.8mm
Hotbed Size	260*260mm
Printing Volume	250*250*260mm
Filament Cut Detection	Support
Filament Diameter	1.75mm
Nozzle Max Temperature	250
Hotbed Max Temperature	110
Supported Filament	PLA, PETG, TPU, ABS
Max Printing Speed	300mm/s
Max Acceleration	x=5000mm/s <sup>2</sup> , y=4000mm/s <sup>2</sup>
Hotend Fan	4010 fan*1, PWM Control, Intelligent Temperature Control
Part Cooling Fan	5015 fan*2, PWM Control, With Strong Cooling Mode
Auxiliary Part Cooling Fan	6020 fan*2, PWM Control
Control Board Fan	6010 fan*1, PWM Control, Intelligent Temperature Control
X/Y/Z-axis Limit Switch	Photoelectric Limit Switch
Auto-leveling Sensor	Hall Sensor
CPU	ARM Cortex-M4 Core, 168MHz
Motion Controller CPU	ARM Cortex-M3 Core, 72MHz
Display	3.5-inch Color Touch Screen
Printing Lighting	White LED
Port	USB device, TF, USB Flash Disk
X/Y Motor Control	Closed-Loop Control
Z1/Z2 Motor Control	Silent Driver
Hotend Heating Power	70w
Default Modes	Slow Mode/ Normal Mode/ Fast Mode/ Crazy Mode
User Mode	Users Can Set the Printing Parameters by Using the Smartto Kit Tool on PC
Break-Resume printing Function	Support
Filament Cut Detection	Support
Password Lock Screen Protection	Support
Hotend Strong Cold Mode	Support
Hotbed Leveling	Auto-leveling/ Manual Leveling
One Button to Strong Cooling Mode	Support
Power Input	AC 115/230V, 50/60Hz
Power Supply	350W
Slicer	Cura, PrusaSlicer, EasyPrint Lite
Slicer Supported OS	MacOS, Windows

Machine Size□ 472(L)\*488(W) \*525(H)mm  
Package Size□ 553(L)\*544(W) \*330(H)mm  
Net Weight□ 10.7kg  
Packing Weight□ 13.4kg

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