



Ender-7 BEYOND FAST

A New Experience for High-speed 3D Printing

- 250 mm/s High-speed printing
- Industrial Grade Precision Setup
- Fast, Precise, Stable and Powerful Performance



250 mm/s
High-speed printing



High precision
linear rail



Core-XY
Structure



A customized high
volume nozzle



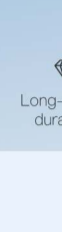
Customized
high-power motors



High-speed
cooling fans



High-efficiency operational
control algorithm



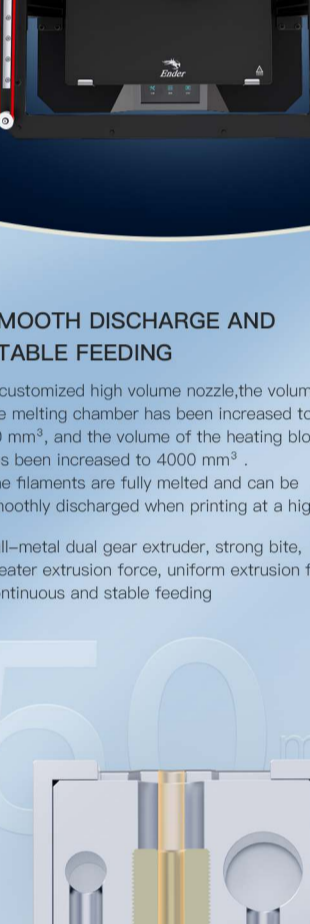
Minimalist
aesthetic design

HIGH-SPEED PRINTING, INVIGORATING POWER

New breakthrough of speed, normal printing speed is up to 250mm/s, enjoy instant high-speed printing while maintaining the same molding precision quality

250

mm/s

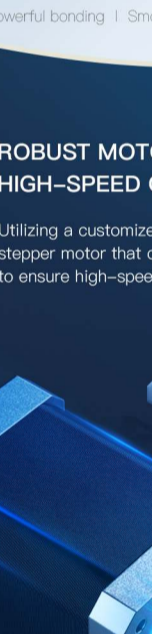


Comparison of molding degree under the same time

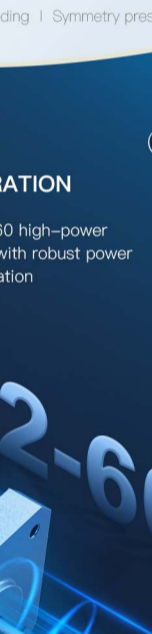
Normal printing speed of Ender-7: 250mm/s

Normal printing speed of ordinary printer: 50mm/s

100%



40%



LINEAR RAIL, HIGHER PRECISION

Utilizing linear rail technology to reduce movement positioning, to a lower level, high precision positioning, and yet comes with high-speed stable movement

Smooth operation

Precise positioning

Long-lasting durability



Long lifetime
78509h

*Data sources are from professional organizations, specific conditions are subject to actual usage.

CORE-XY STRUCTURE, PRECISE CONTROL

Utilizing Core-XY structure, dual motors running parallelly with coordinated operations, faster speed, and higher precision



SMOOTH DISCHARGE AND STABLE FEEDING

A customized high volume nozzle, the volume of the melting chamber has been increased to 50 mm³, and the volume of the heating block has been increased to 4000 mm³. The filaments are fully melted and can be smoothly discharged when printing at a high speed

Full-metal dual gear extruder, strong bite, greater extrusion force, uniform extrusion force, continuous and stable feeding



Full-metal dual gear extruder
Powerful bonding | Smooth feeding | Symmetry pressure

ROBUST MOTOR, HIGH-SPEED OPERATION

Utilizing a customized 42-60 high-power stepper motor that comes with robust power to ensure high-speed operation

COOLING SUSTAINABILITY DESPITE UNDER HIGH TEMPERATURE

Extruder's cooling fan enables more stable feeding
High-speed dual cooling fans are designed in butterfly-shaped wing duct
Compared to a single fan, dual fans increase overall air volume by 169%, ensuring fast cooling of high-speed print models

Strong wind power

Quick Molding

High-quality Printing

* The above data is verified by Creality Labs

PATH OPTIMIZATION, ALGORITHM UPGRADE

Fully optimized slicing path, dynamically adjust the motion acceleration and deceleration algorithm to effectively guarantee the quality and efficiency of print molding

A MAGNIFICENT WORK, INHERITING CLASSICS

Metal unibody design, inherits the majestic and solemn style of the ancient Roman columns
It is spectacular, stable and solid. A perfect blend of classic aesthetics and modern technology

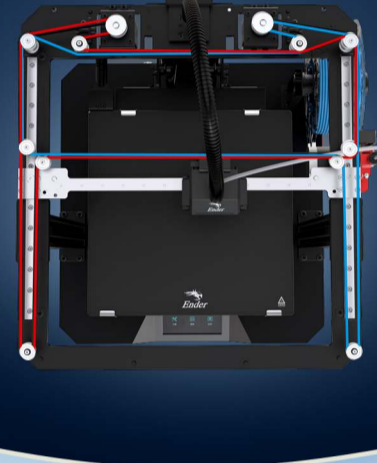
Applicable Fields

Prototype verification

Education and R&D



Structural design



Artistic Creativity



Product Parameters

Molding technology:	FDM	Resume printing function:	Support
Printing size:	250 × 250 × 300 mm	Filament detector:	Support
Machine size:	430 × 460 × 570 mm	Extrusion method:	Remote extrusion
Package size:	570 × 540 × 400mm	Hotbed temperature:	≤ 100°C
Machine net weight:	17.2 kg	Nozzle temperature:	≤ 260°C
Package gross weight:	22 kg	Printing layer thickness:	0.1mm-0.4mm
Printing precision:	±0.1 mm	Print bed:	Carborundum glass
Nozzle diameter:	0.4 mm	Power rating:	350W
Nozzle quantity:	1 piece	Printing material:	PLA/ABS/PETG
Material diameter:	1.75 mm		
Power supply requirements:	AC 100-120V / 200-240V ,DC 24V		
Slicing software:	Creality/Cura/Repetier-Host/Simplify3D		
Operation mode:	Online/Offline (USB Cable, TF Card)		
Supported languages:	9 languages (Chinese, English, Spanish, German, French, Russian, Portuguese, Italian, Turkish)		