

# Ender-3 S1

## “Sprite”, Bringing Your Ideas to Life


“Sprite” Direct Dual-gear Extruder  
 CR Touch Automatic Bed Leveling  
 High-precision Dual Z-axis





### / Specifications


Modeling Technology	FDM	Printer Size	487*453*622mm
Supported Filaments	PLA/TPU/PETG/ABS	Printing Layer Thickness	0.05-0.35mm
Nozzle Diameter	0.4mm	Number of Nozzles	1
Machine Net Weight	9.1kg	Package Gross Weight	11.2kg
Type of Extruder	“Sprite” Direct Extruder	Filament Sensor	supported
Resume Printing	supported	Rated Voltage	115/230v 50/60Hz 4.5/2.5A
Mainboard	32-bit silent mainboard	Software Language	Chinese/English
Supported File Format	STL/OBJ/AMF	Package Size	540*510*260mm
Build Size	220*220*270mm	Printing Precision	±0.1mm
Printing Speed	150mm/s at the maximum	Printing Platform	PC spring steel sheet
Filament Diameter	1.75mm	Maximum Heatbed Temperature	100°C
Extruder Gear ratio	1:3.5	Screen	Knob color screen
Automatic Bed Leveling	CR Touch	Printing Method	Type-C USB/SD card
Rated Power	350 W	Maximum Nozzle Temperature	260°C
Slicing Software	Creality Slicer/Cura/Repetier-Host/Simplify3D		


### / Product Advantages


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**“Sprite” Direct Dual-gear Extruder**  
 Compared with other direct extruders, the “Sprite” is lighter and features less inertia and more precise positioning.
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**CR Touch Automatic Bed Leveling**  
 Our self-developed 16-point automatic bed leveling technology saves you the trouble of manual leveling and makes leveling simple and easy.
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**High-precision Dual Z-axis**  
 With a Z-axis dual-screw+Z-axis dual-motor design, Ender-3 S1 works smoother and more synchronously to lower the possibility of lines and ridges on the sides of your print, thus improving the printing quality.
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**PC Spring Steel Printing Platform**  
 The innovative printing platform is a combination of a PC coating, a spring steel sheet and a magnetic sticker.
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**Low-noise Design**  
 The brand-new 32-bit silent mainboard runs at low decibel levels, greatly reducing noise to let you enjoy your printing.
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**4.3-inch LCD Screen**  
 Ender-3 S1 features a brand-new UI interface to facilitate simple interaction that allows you to experience operation by knob.
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**Quick Assembling**  
 96% of the printer body is pre-installed, making assembling extremely convenient with only 6 steps and the maintenance of the printer simple and easy.
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**Power Loss Recovery and Filament Sensor**  
 Ender-3 S1 features the function of detecting filament runout or breakage/power loss and resume printing after recovery. By accurately recording the printing data at the time of power outage/filament runout or breakage, it helps to avoid the waste of filaments and time caused by accidents.
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**Strong Expandability**  
 With a wide variety of preset interfaces for laser engraving and LED lamps, Ender-3 S1 offers more functions for you.

