

Creality Ender3 S1

BEST 3D PRINTER
UNDER \$500

ALL3DP
An Award of Excellence

Ender-3 S1

"Sprite", Bringing Your Ideas to Life



"Sprite" Dual-gear
Direct Extruder



CR Touch
Automatic Bed Leveling



High-precision
Dual Z-axis



Customer-oriented



Selected to Exhibit in
Brazilian National Pavilion



Recommended by ALL3DP



32-bit Silent
Mainboard

Silent printing



Supporting a Variety
of Filaments

PLA/TPU/PETG/ABS



Quick
Assembling

96% pre-installed



PC Spring Steel
Print Sheet

Good adhesion and easy
to remove printed models



4.3-inch LCD
Screen

Brand-new simple
UI interface



Practical Preset
Interface

Strong expandability

"Sprite" Dual-gear Direct Extruder Compatible with Various Flexible Filaments

Our brand-new self-developed "Sprite" dual-gear direct extruder features two chrome steel gears that are engaged at a 1:3.5 gear ratio.

With a pushing force of up to 80N, the extruder realizes smooth feeding and discharging of filaments without slipping and works extremely well in printing flexible filaments such as TPU.

Compared with other direct extruders, the "Sprite" is lighter and features less inertia and more precise positioning.



Dual metal gears for feeding with pushing force of up to 80N^①



Lightweight
Only 210g^②



Direct extrusion
supporting
flexible filaments



① The above pushing force value is obtained through testing with CR-PLA White filament in the Creality Lab.

② Ordinary extruders on the market weigh around 300g.



CR Touch Automatic Bed Leveling Device Make Leveling Worry-free

Our self-developed CR Touch 16-point automatic bed leveling technology saves you the trouble of manual leveling. Simple and easy to use, the intelligent leveling system can automatically compensate for the printing height of different points of the heatbed.



Automatic bed leveling



16-point precise leveling

High-precision Dual Z-Axis Higher Printing Precision

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.



Design of Z-axis dual-screw
Synchronized coordination





Removable PC Spring Steel Print Sheet Easy to Remove Printed Models

The innovative printing platform is a combination of a PC coating, a spring steel sheet and a magnetic sticker, which sticks to the surface immediately when released. The PC coating brings good adhesion and printed models can easily be removed by bending the print sheet.



Good adhesion and easy
to remove printed models



Remove models by
bending the print sheet

Low-noise Operating Allows You to Enjoy Printing

The brand-new 32-bit silent mainboard runs at low decibel levels, greatly reducing noise to let you enjoy your printing.

32-bit
Silent mainboard

≤50dB
Noise level

50~60dB
Talking inside

40~50dB
Pattering of raindrops

30~40dB
Quiet library

* The above data are based on tests in a professional silent laboratory at a distance of 0.5m.





The Screen Allows you to Operate at Ease

The 4.3-inch knob LCD screen features a brand-new UI interface to facilitate simple interaction that allows you to experience operation by knob. It automatically dims out when inactive for 5 minutes, saving energy and protecting the environment.

Brand-new
UI interface

Automatic
screen dimming

Double Protection No Fear of Risks

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.





Simple 6-Step Assembling

96% of the printer body is pre-installed, making assembling extremely convenient with only 6 steps and the maintenance of the printer is simple and easy.

Creative Potential

With preset interfaces for laser engraving and LED light Ender-3 S1 brings you more possibilities.

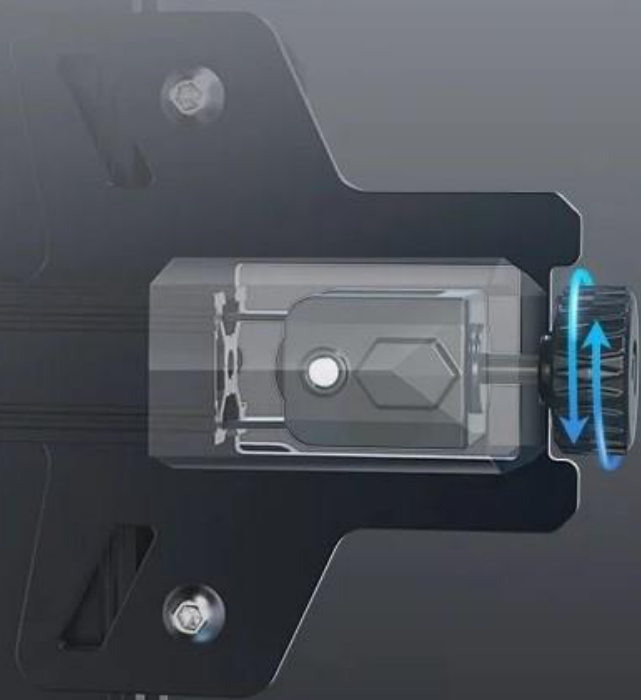
*Laser engraving and LED light need to be purchased separately

LED Light



Laser Engraving





Knob Type Belt Tensioner

The belt tensioner is an easy-to-use tool that helps prevent problems such as layer shifting caused by inadequate tightness.

Compatible with Various Filaments Unleash Your Imagination

Compatible with more filaments, it can print PLA, TPU, PETG, ABS, etc., enabling you to release your creativity.

Structural design



Artistic originality



Manufacturing



Education & research





Certified by United States' FCC



Certified by EU's CE



Certified by UKCA



Certified by Japanese PSE



Certified by Australian RCM

Product Parameters

Molding Technology: **FDM**

Machine Net Weight: **9.1 kg**

Printer size: **487 x 453 x 622 mm**

Extruder Gear Ratio: **1:3.5**

Build size: **220 x 220 x 270 mm**

Type of Extruder: **"Sprite" Direct Extruder**

Package size: **540 x 510 x 260 mm**

Printing Platform: **PC Spring Steel Sheet**

Supported Filaments: **PLA/TPU/PETG/ABS**

Automatic Bed Leveling: **CR Touch**

Printing layer thickness: **0.1-0.35 mm**

Mainboard: **32-bit Silent Mainboard**

Printing Speed: **Maximum 150 mm/s**

Screen: **knob Color Screen**

Nozzle Diameter: **0.4 mm**

Filament Sensor: **Supported**

Printing Precision: **±0.1 mm**

Resume Printing: **Supported**

Maximum nozzle temperature: **260°C**

Printing Method: **Type-C USB/ SD card**

Number of nozzles: **1**

Rated Power: **350W**

Maximum heatbed temperature: **100°C**

Rated voltage: **115/230V**

Filament Diameter: **1.75 mm**

Supported File Format: **STL/OBJ/AMF**

Slicing Software: **Creality Slicer/Cura/Repetier-Host/Simplify3D**

Package Gross Weight: **11.2 kg**

Supported Language: **English/Chinese**

Creality Ender3 S1

