SR(SuperRacer)

Printing Size:

Φ260*330mm

Overall size:

440X390X960mm

Total Weight:

13.6KG

Printing Speed

Default 150mm/s

MAX 200mm/s

Molding Tech	FDM	Nozzle Temp	≤240℃
Nozzle Diameter	0.4mm	Bed Temp	≤100℃
Precision	±0.1mm	Input Voltage	115-230V
Filament Support	PLA/ABS/PETG	Leveling Type	Auto-Leveling
Nozzle Type	Single Nozzle	Output Voltage	24V
File Format	STL/OBJ/AMF	Power	300W
Slice Software	Cura/Repetier/Simplify3D	Filament detection	Yes
Filament Diameter	1.75mm	Resume	Yes
Working Model	SD Card/USB	Firmware	Open Source Marlin

SR is the latest delta architecture 3D printer completely independently developed by FLSUN. Fast printing speed is its biggest advantage. Its default printing speed is 150mm/s (about 3-4 times that of i3 architecture), even running at 200mm/s,It also has a good quality performance. Compared with other ordinary 3D printers, printing the same model can save about half of the printing time! SR uses a 32-bit high-speed motherboard, and four TMC 2209 are installed on the motherboard. It is quieter, more stable, and has higher printing accuracy.

Printing Via USB

Fast Speed

Auto Leveling

Resume

Capacitive touch screen

Removable bed

The diameter of the hot bed is 270mm, the printable range is 260mm, and the uniform lattice coating is attached to the surface to make the printed model is easier to paste on the hot bed. The lattice glass and aluminum plate are fixed separately, which is convenient for cleaning, maintenance and disassembly. The hot bed can be heated up to 100°C, and it has a good adhesion effect whether it is printing PLA or ABS. When the hot bed is cooled, the adhesion on the surface of the hot bed will be greatly weakened, so that the model can be easily removed.

Volcano Hot End

Volcano hot end with high melting efficiency.Two turbo fans and one cooling fan are installed on the hot end. The powerful cooling system can avoid nozzle clogging.

BMG Extruder

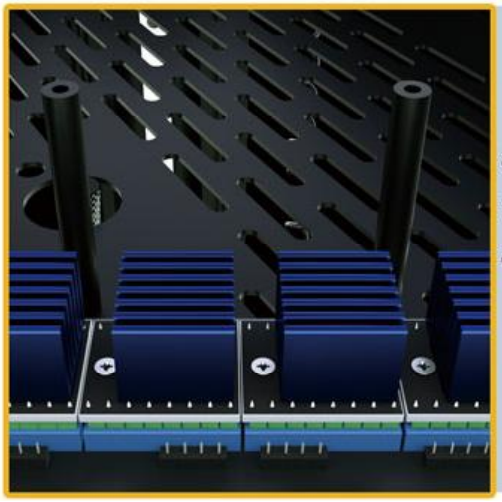
Dual drive BMG extruder, better support for flexible filaments and PLA, etc.

Linear Rail Guide

Precise linear guide with 10MM belt, strong rigidity and high precision, with 48mm large torque, high speed, low noise, high precision stepper motor, it not only guarantees the movement power, but also guarantees the high-speed printing accuracy.

Parallel arm

3K high-strength carbon fiber parallel arm, double spring structure, can still ensure accuracy and stability during high-speed movement. Modular design, no tools are required for assembly and disassembly.



TMC2209

SR uses 4 TMC2209 motor drive blocks, TMC2209 built-in MOS supports a maximum current of 2.8A, good heat dissipation. Excellent performance in mute, anti-shake, sensorless torque detection, current dynamic adjustment, etc.

Auto-Leveling

SR uses FLSUN's self-developed Auto-Leveling algorithm to compensate mechanical errors through multiple points. The entire leveling process can be completed in three simple steps, and the leveling accuracy is ≤0.05mm.

Firmware

Based on Marlin 2.0.6, self-developed open source firmware supports the functions of power interruption resume and filament interruption detection.

3.5-inch smart capacitive touch screen, newly designed UI interface, optimized operation logic and user habits, supports 8 display language switching, and has one-key restore to factory settings function.

Slice Software

CURA4.4 slicing software is included in the SD card.The slicing software includes two modes: basic mode and expert mode, which can meet the needs of beganers users and professional users with different precision and difficulty printing settings Cura4.4 supports USB connection,you can connect your laptop via USB and send it directly to the printer to start printing after slicing.