# Desktop 3D Printer
# SV06

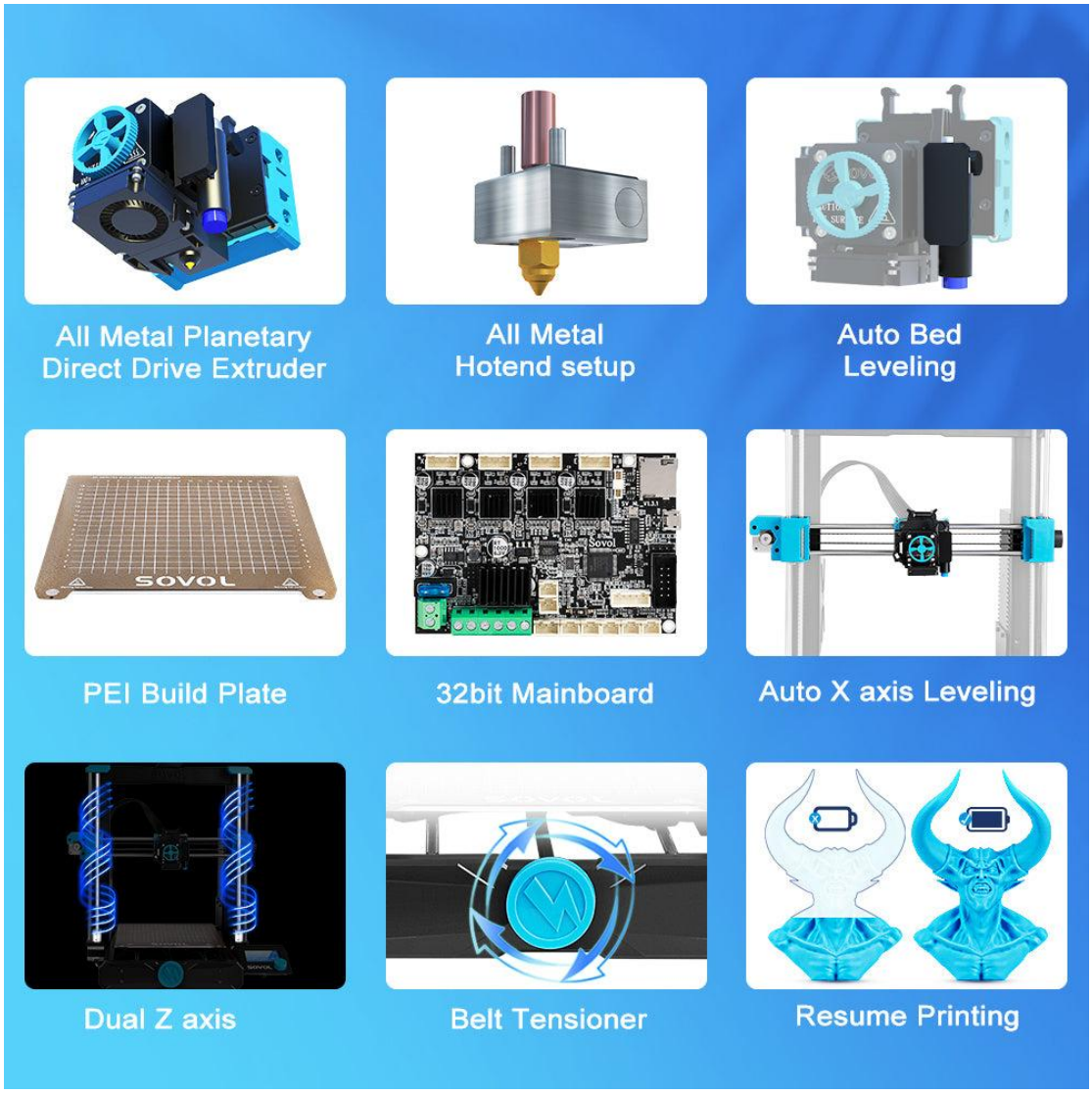
# Parameters:

| | |
|---|---|
| Model | SV06 |
| Interface Language | English |
| Print size | 220mm*220mm*250mm |
| Build Plate Size | 235mm*235mm |
| Print Method | TF card, USB connection |
| Layer Thickness | 0.1-0.4mm (Adjustable) |
| Nozzle Diameter | Standard 0.4mm ( Adjustable) |
| Recommend Print Speed | ≤80mm/s |
| Recommend Nozzle Temperature | ≤260c (for beginners) ≤300c (for experienced people who wanna trying high temp material) |
| Bed Temperature | ≤100c |
| Material Diameter | 1.75mm |
| Support File Format | G-code |
| Machine Weight | 9 kg |
| Machine Dimension | 496.94mm *387.90mm*610.91mm |
| Package Size | 525mm*540mm *220mm |
| Package Weight | 10.4 kg |
| Voltage | input 115v/230v50/6Hz Output 24v |
| Operation System | Windows/ Mac/Linux |

# Features:

1. All metal planetary direct drive extruder
2. All metal hotend setup
3. Auto leveling
4. PEI build plate. The PEI coated build plate is flexible, the prints can be removed easily without any tool. The bed is solid, not easy to get scratches even in long-term printing.
5. Sovol self-develped mainboard, 32 bit, with TMC 2209 drivers, makes the printer words stably and silently. UART mode is available, more modification can be done easily for advanced users(not recommend beginners to modify).
6. G34 auto Z align. As UART mode is opened on SV06 mainboard, and G34 updated, SV06 has G34 auto Z align function. If you want to level X axis, all you need to do is click auto Z-align,the printer will process X-axis leveling automatically. Save time and effort.
7. 220*220*250mm build volume, enough for daily use and household use.
8. G34 auto Z align.Dual Z-axis.Dual Z-axis screws and stepper motors improve the accrucy and precise of nozzle's vertical movement with a specified Z-axis accuracy of 0.001mm.
9. Belt tensioner
10. Resume printing.

Sovol
New Budget SV06
Direct Drive | All Metal Hotend | Auto Leveling | PEI Plate

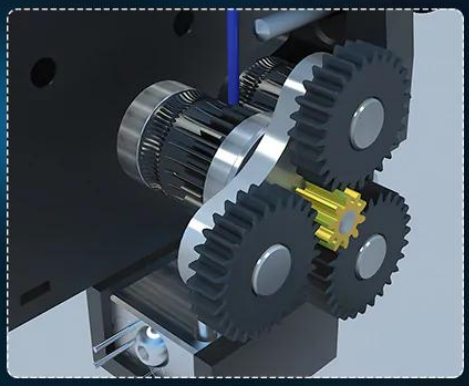

All Metal Planetary
Direct Drive Extruder
All Metal
Hotend setup
Auto Bed
Leveling
PEI Build Plate
32bit Mainboard
Auto X axis Leveling
Dual Z axis
Belt Tensioner
Resume Printing

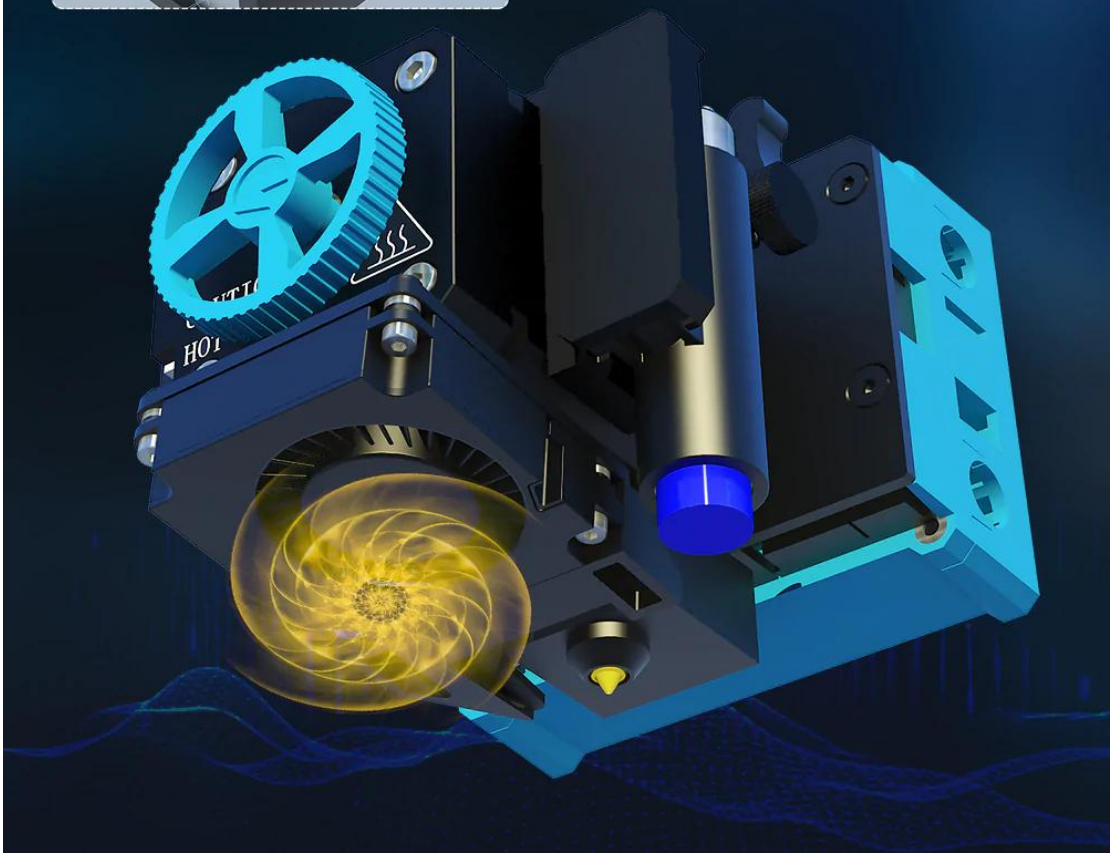
220*220*250
Build Volume
220*220*250mm print size, enough
for daily use and household use.
SOVOL
250mm
220mm
220mm
SOVOL

Auto Leveling
SV06 uses inductive sensor to detect the metal print bed
with 25 points automatically and compensate the
unevenness of the heated bed. The fast, smart and
precise detection and compensation to help you get the
bed leveled perfectly and get an fantastic first layer.

# All Metal Planetary Direct Drive Extruder

Sovol Self-developed All Metal Direct Drive Extruder with planetary gear set, provide the printer with higher drive ratio and a lighter motor, helps to achieve more accurate extrusion.

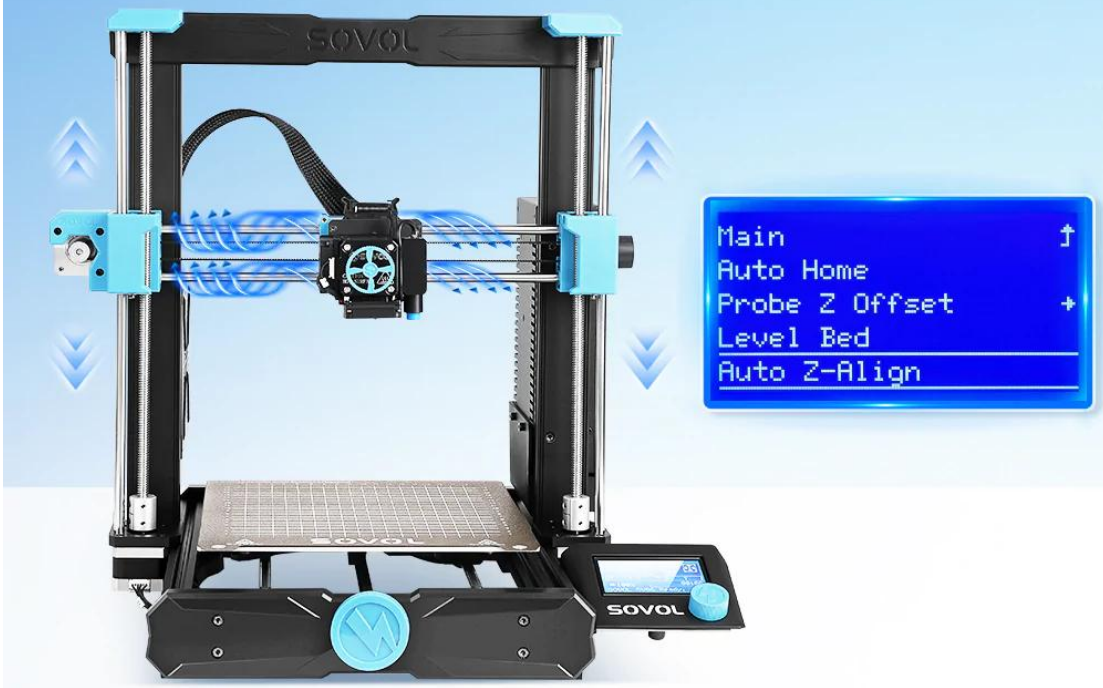




# G34 Auto Z Align

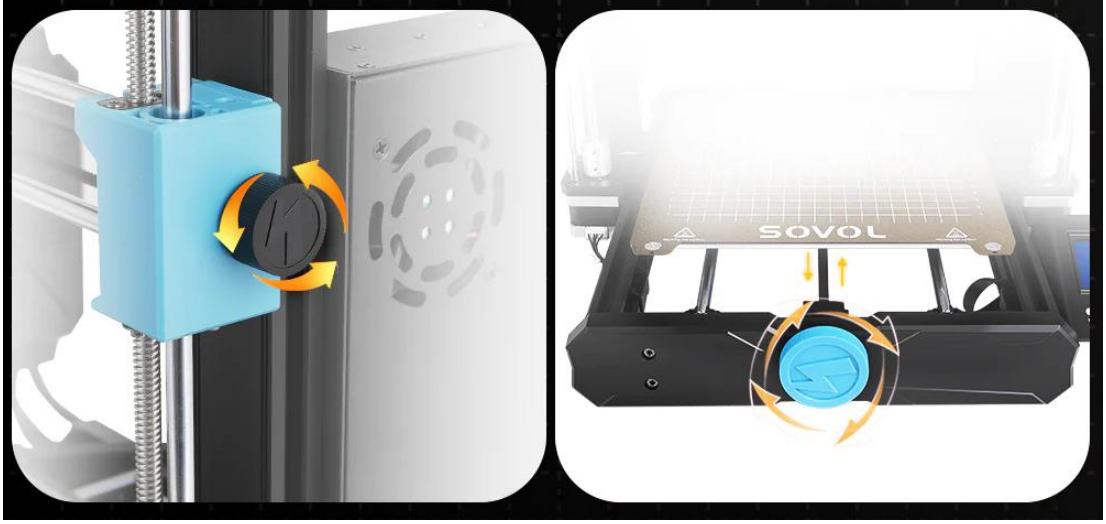
As UART mode is opened on SV06 mainboard, and G34 updated, SV06 has G34 Auto Z Align function.

If you want to level X axis, all you need to do is click Auto Z-Aligh, the printer will process X-axis leveling automatically. Saves time and effort.



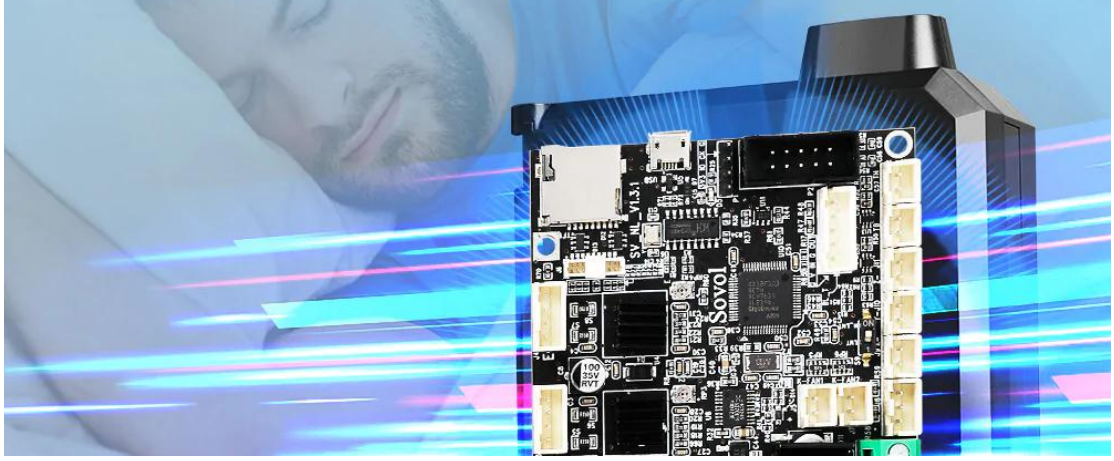

# Belt Tensioner

The big belt tensioner with Sovol lightning sign, very cool, and comfortable to adjust the belt tension to achieve smooth printing result.



## 32 Bit Silent Board

Sovol Self-developed Mainboard, 32 bit, with TMC 2209 drivers, makes the printer works stably and silently. UART mode is available, more modification can be done easily for advanced users.( Not recommend beginner to modify.)

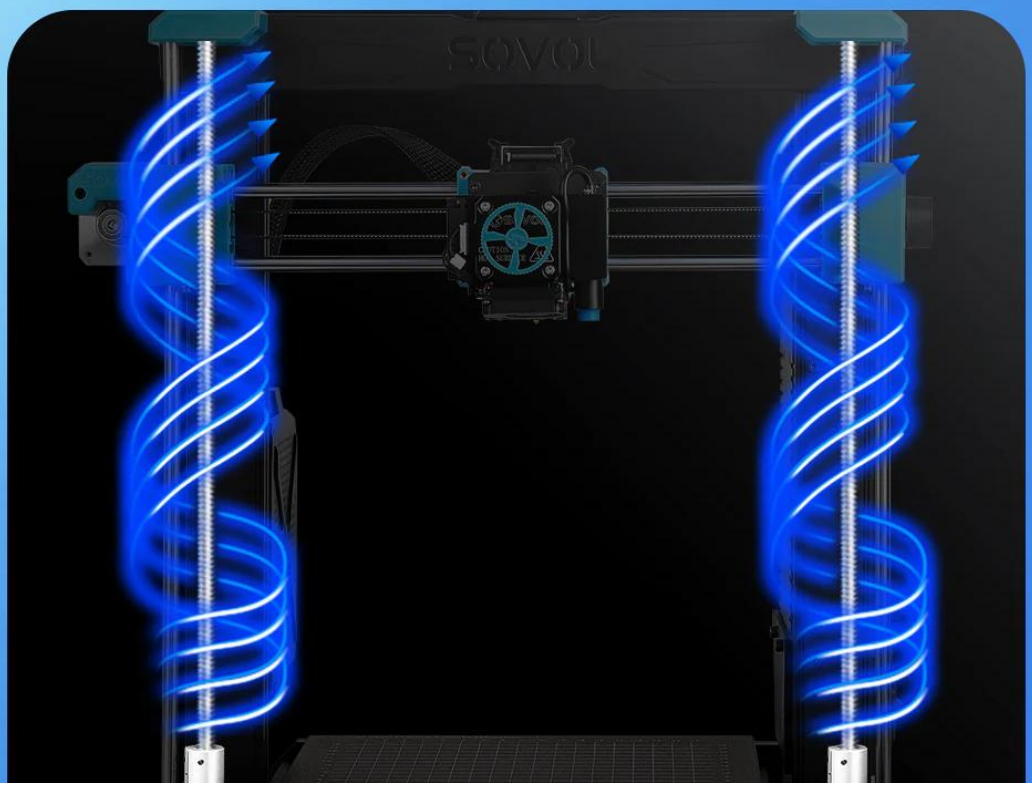



## PEI Build Plate

The PEI-coated Build Plate is flexible, the prints can be removed easily without any tools. The bed is solid, not easy to get scratches even in long-term printing.

## Dual Z axis

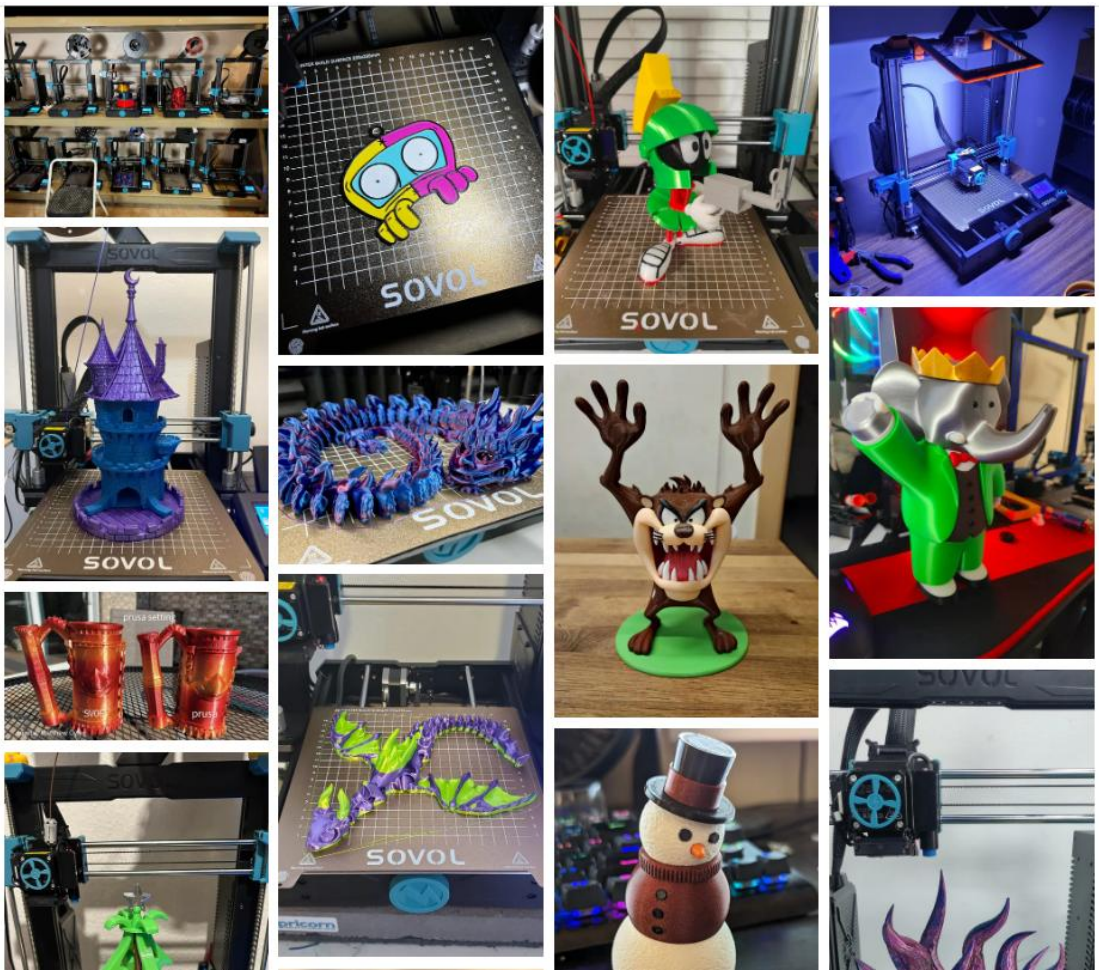
Dual Z-axis screws and stepper motors improve the accuracy and precision of nozzle’ s vertical movement with a specified Z-axis accuracy of 0.001mm.




## Resume Printing

The resume printing function can make the printer continue printing perfectly after a power outage.

TPU
PLA
PETG
ABS
PC
ASA
Nylon
Carbon Fiber
Wood


SOVOL