

ROCK 3 PRO

MINGDA New Arrival 3D Printer

Full of Excitement.



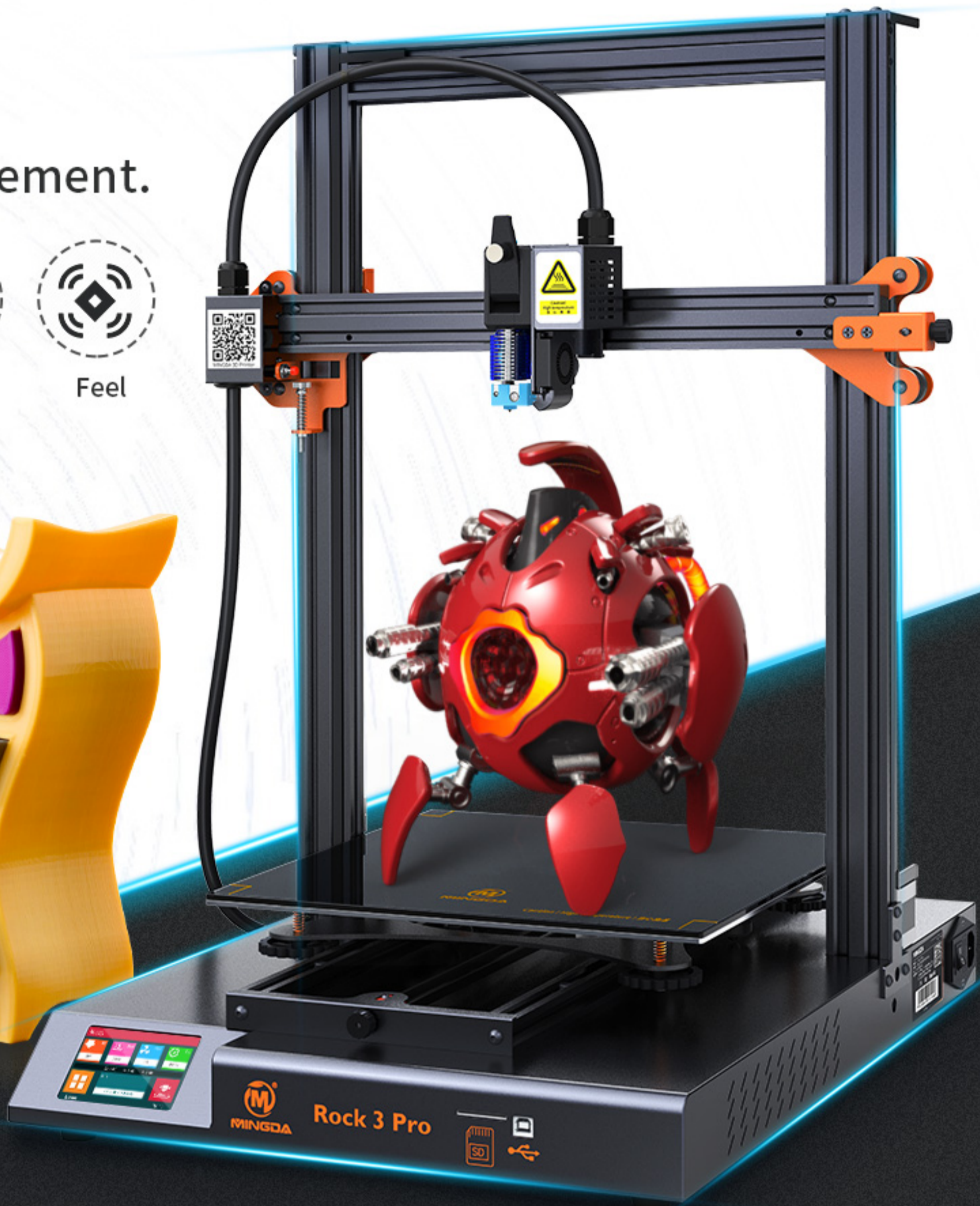
Look



Touch



Feel



To Make Your Dream Come True
ROCK 3 PRO Can Help You to Achieve it



Upgrade
New Extruder



More Accurate
Baby Step



High Precision
Printing



Resuming
Printing



Dual Y and
Z axis



Filament
Run-Out Sensor



Belt tensioner



Fast Heating



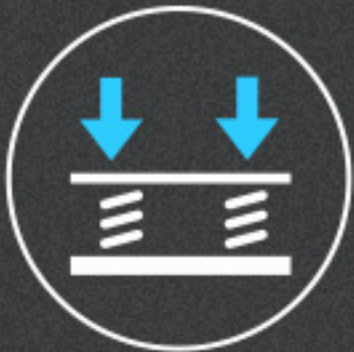
High resolution
& speed



Carborundum
Glass Platform



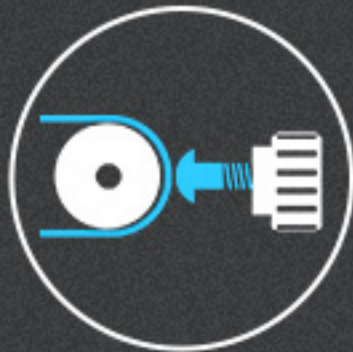
TMC2208
Silent Printing



Effortless
Leveling



Quick
Installation



X/Y-axis Belt
Tensioner

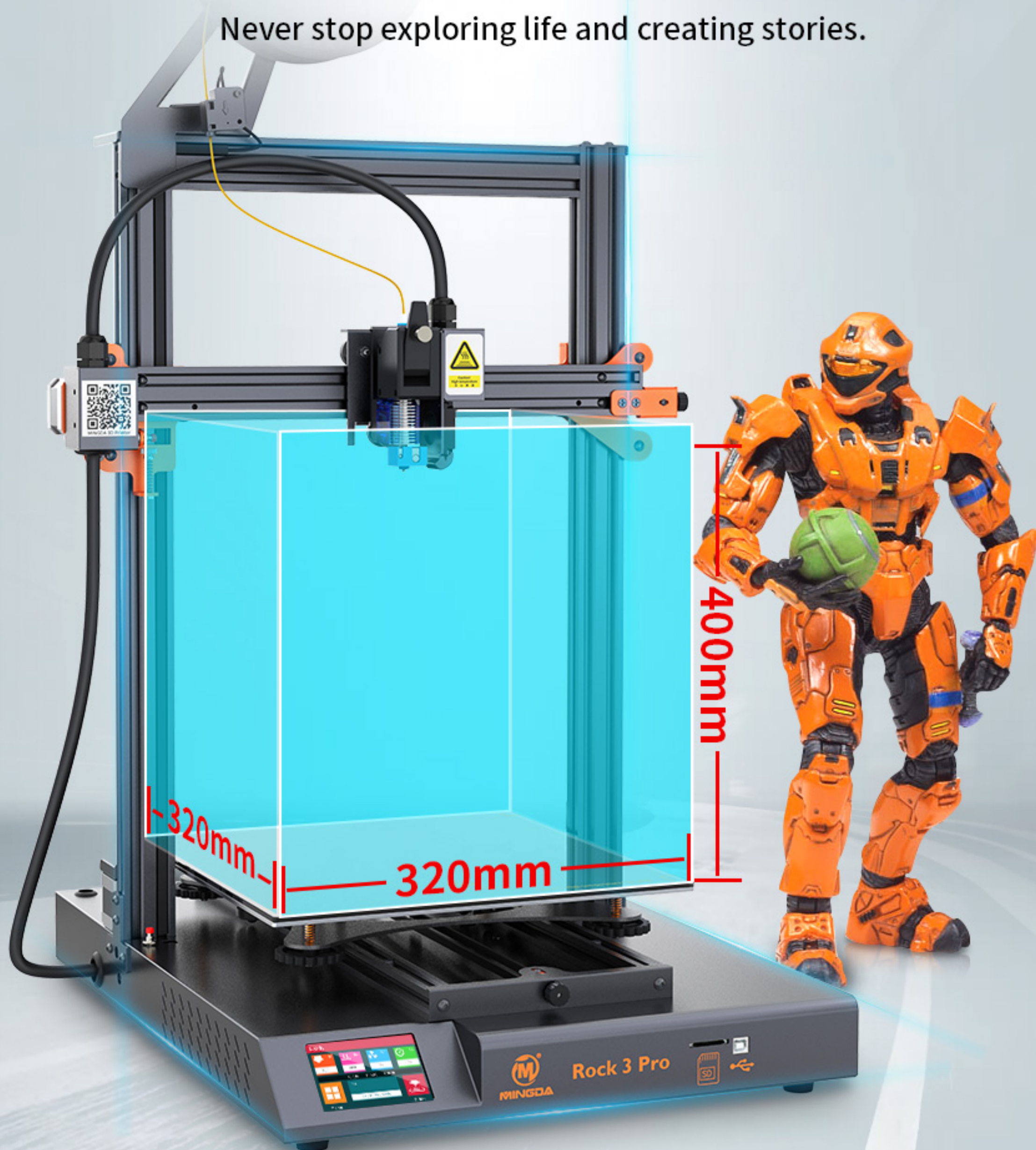


Multiple
materials

Large Printing Size

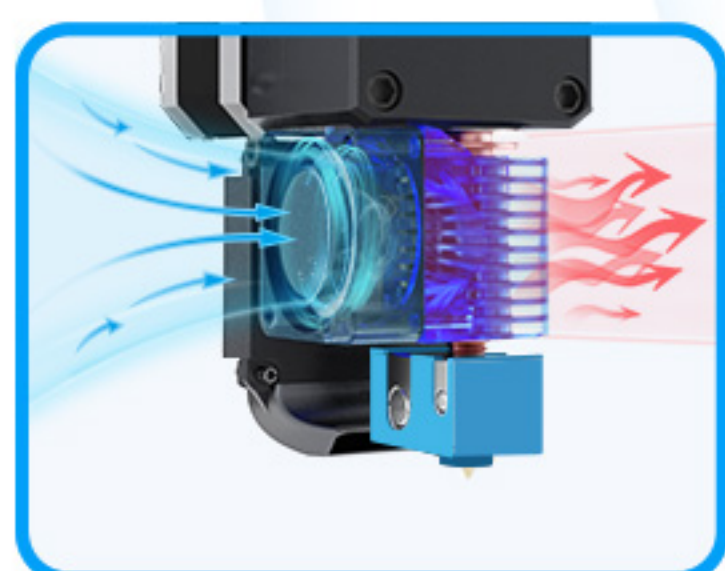
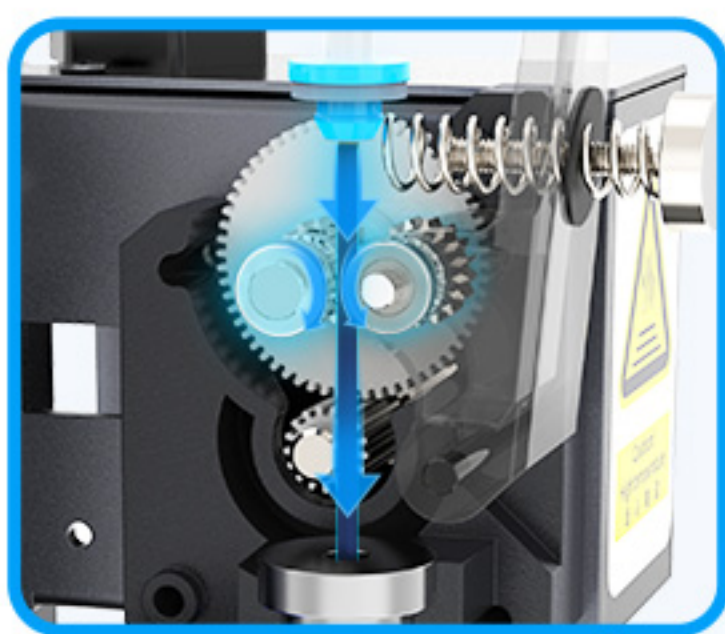
320x320x400mm

Explore the World, Create Your Stories by 3D Printer.
Never stop exploring life and creating stories.



The Most Advanced Direct Extruder

Direct drive design, dual gear extruder
3 times extrusion than before



Dual Cooling Fans-Effective
in Heat Dissipation



Heating Block Silicone Cover Case
Anti-scalding, high temperature resistance,
flame retardant



Direct Extruder



Cooling Fan

Baby Step

You can get perfect 1st layer with baby Step
Can help precise positioning,
positioning accuracy can be adjusted to 0.01mm



Independent 32bits Motherboard

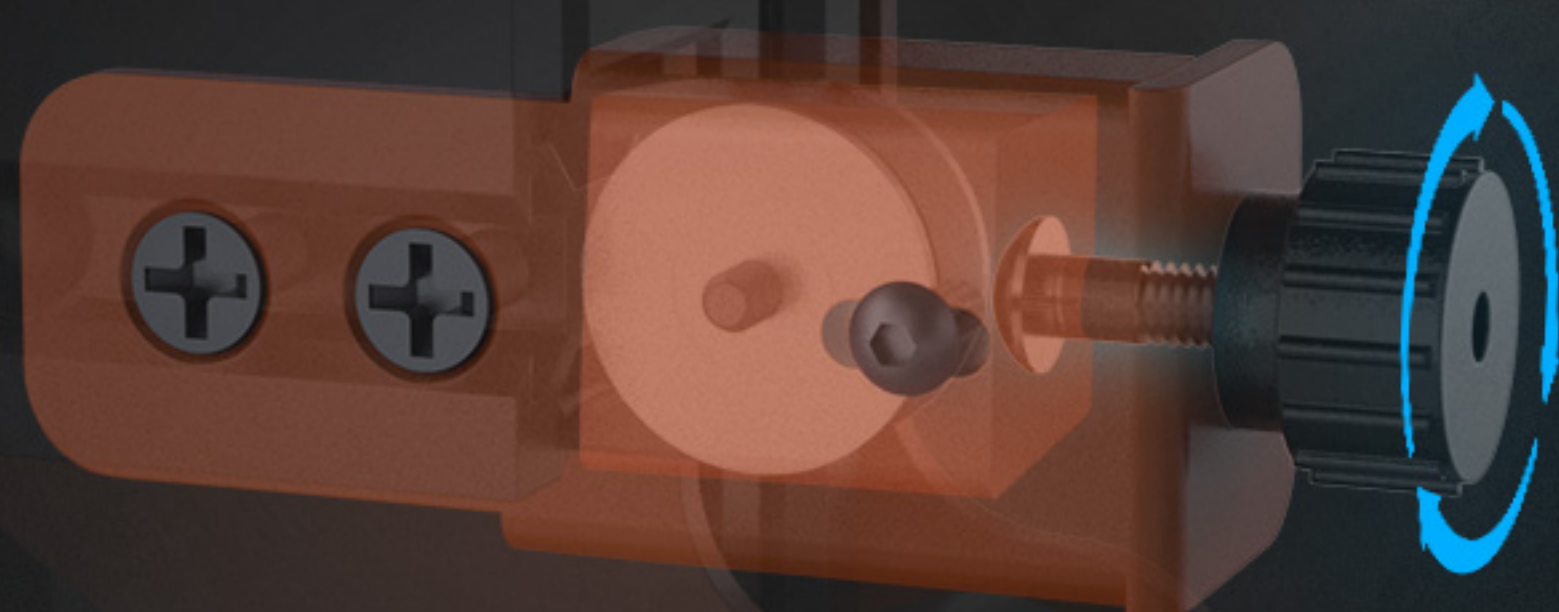
equipped with 5 groups of TMC2208 silent drivers,
quieter printing experience

STM32

Built-in 5 group TMC2208 for silent printing

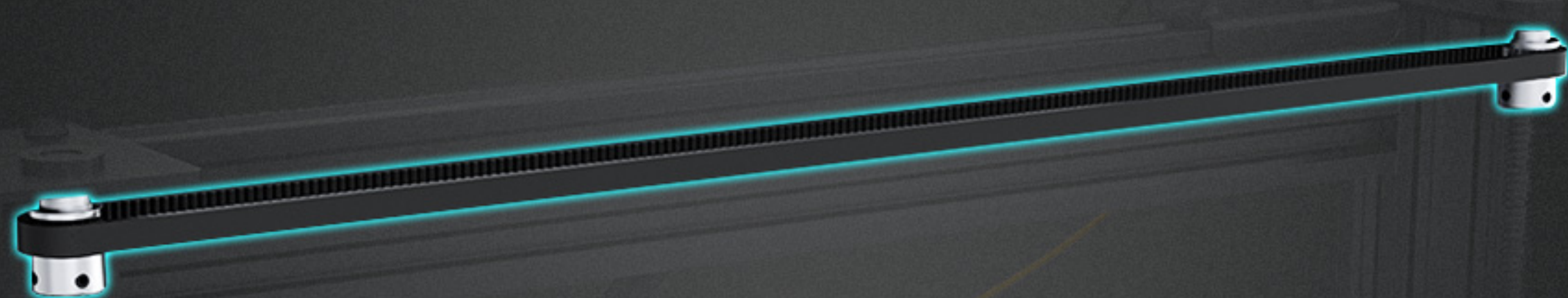
X/Y-axis Belt Tensioner

more convenient to adjust belt tightness,
improve printing accuracy



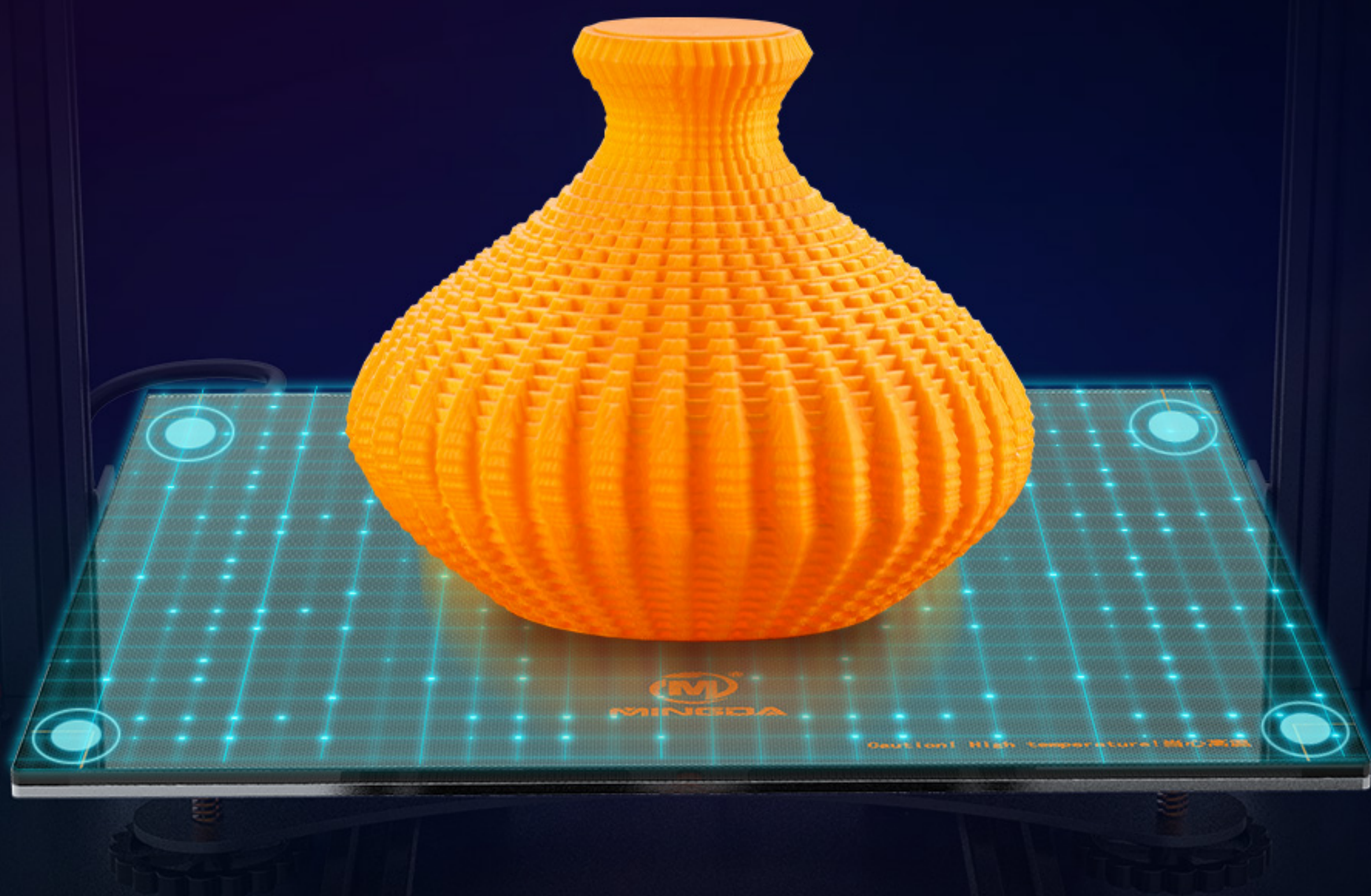
Belt Synchronized Z Axis

The Synchronized Z Axis structure makes the machine no longer need to level the X axis, and improve the printing quality



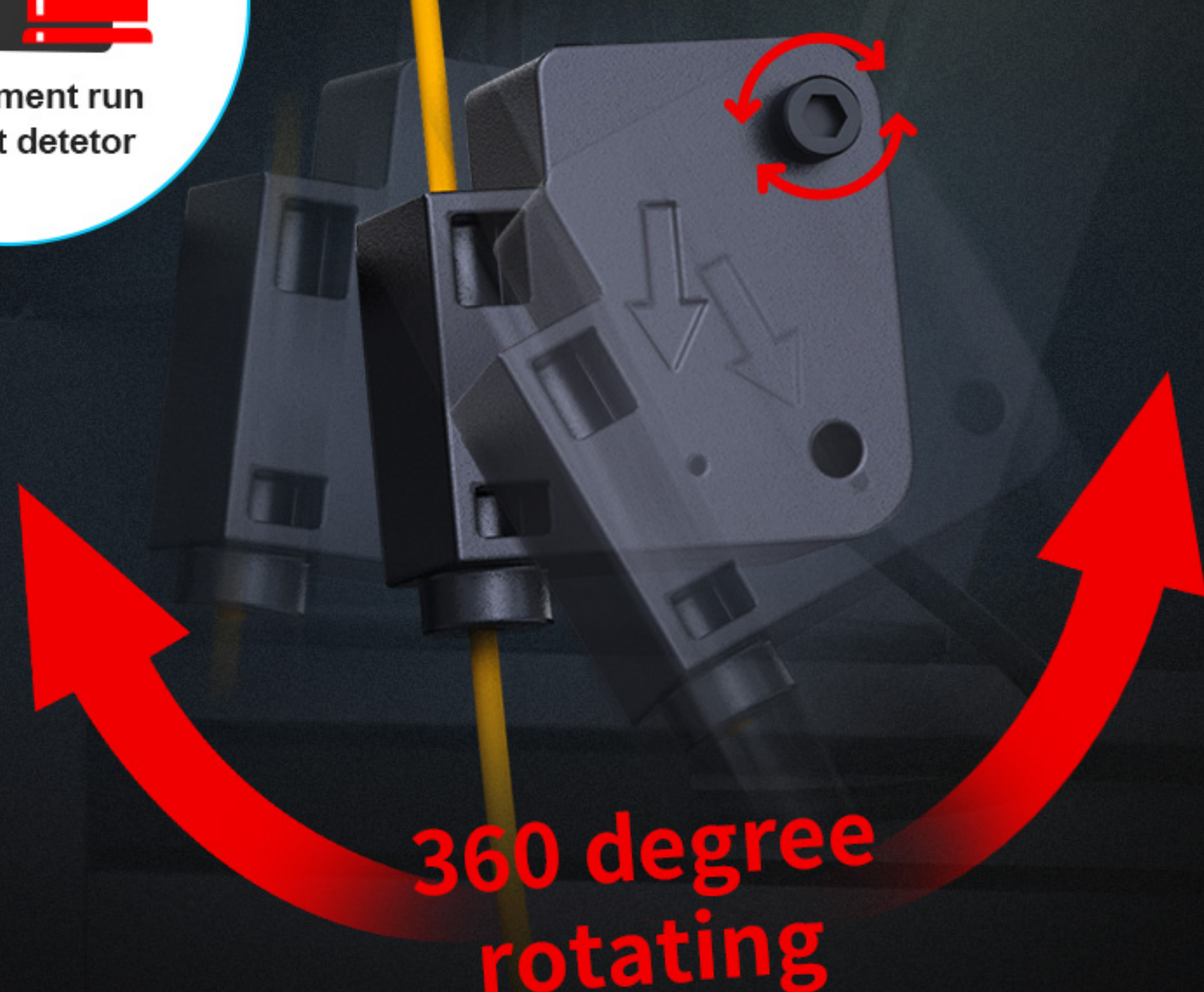
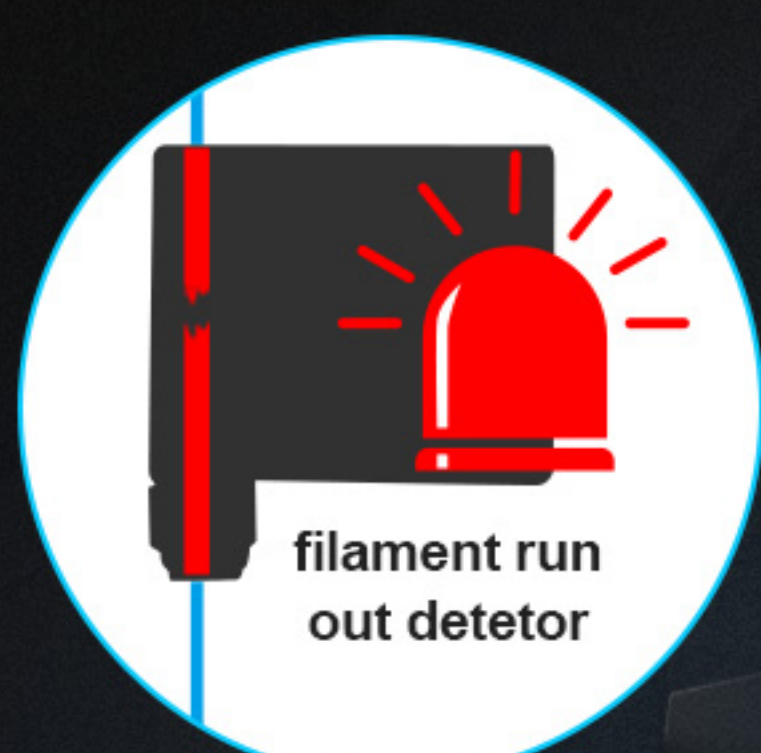
Carborundum Glass Platform

More flat, and the model is easier to remove after finished printing



New Designed Filament Detector

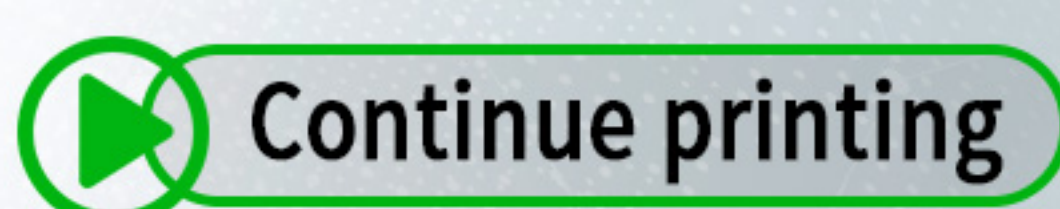
The movable material break detector can change the direction with the change of printing position reducing resistance and making the feeding more smooth



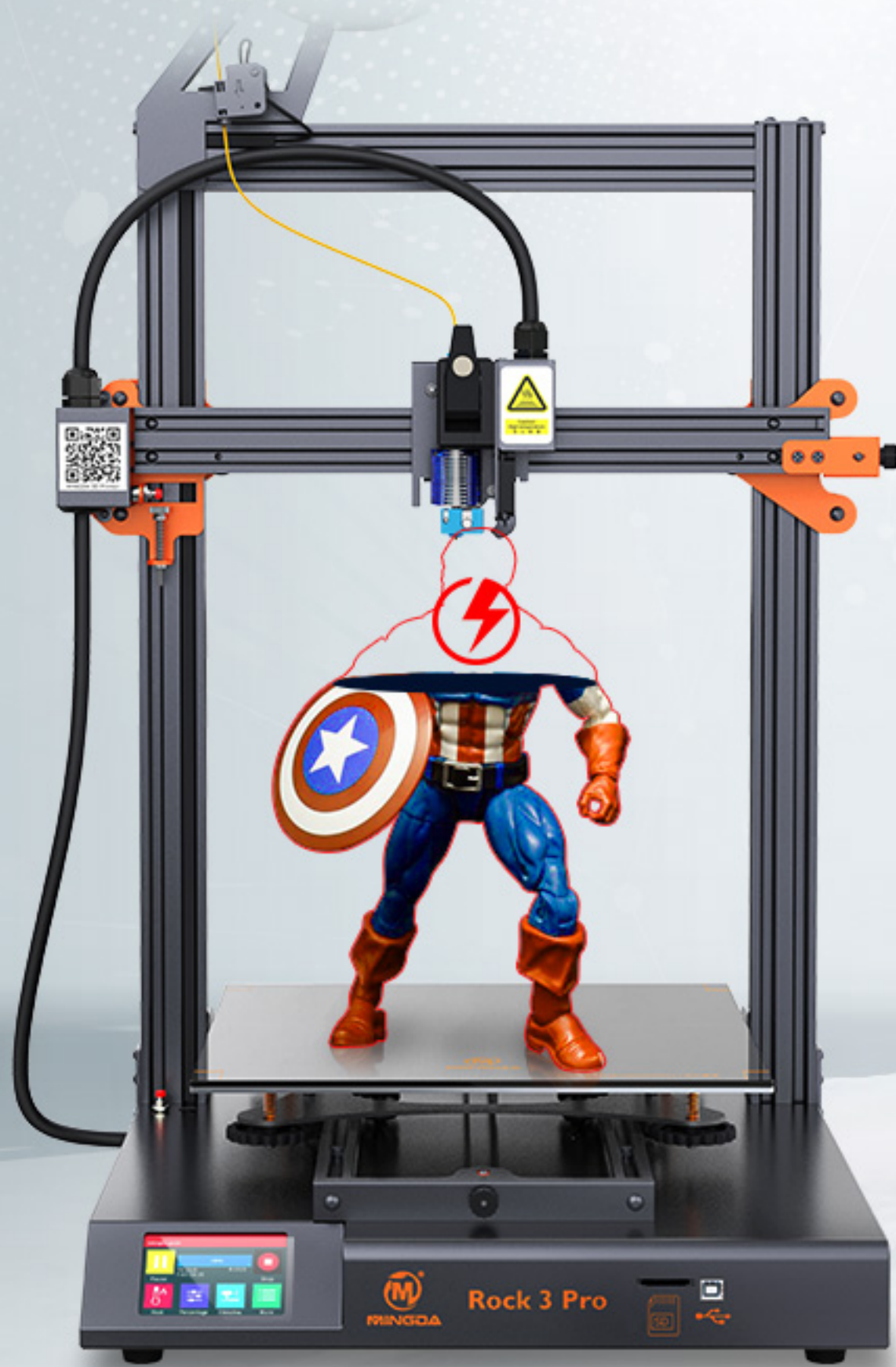
Resume Printing While Power-off



Accident power cut



Continue printing

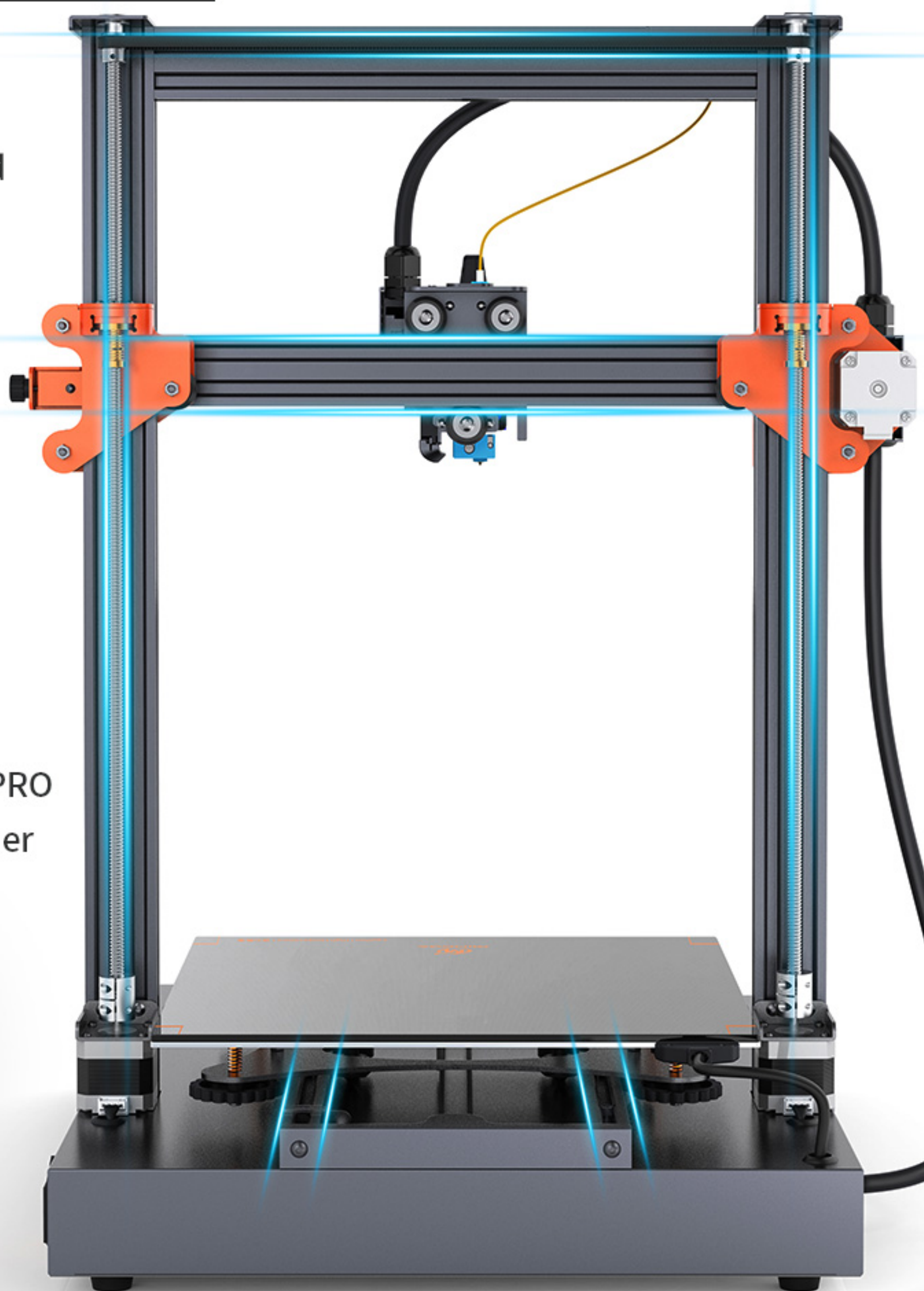


Strong Structure

All Sheet Metal of Frame

- X axis: Widened and thickened Axis
- Y axis: double-rail structure
- Z axis: dual Z-axis

All make the ROCK 3 PRO more stable, and higher printing accuracy



Other Details

Every Part Tells Another Great Story



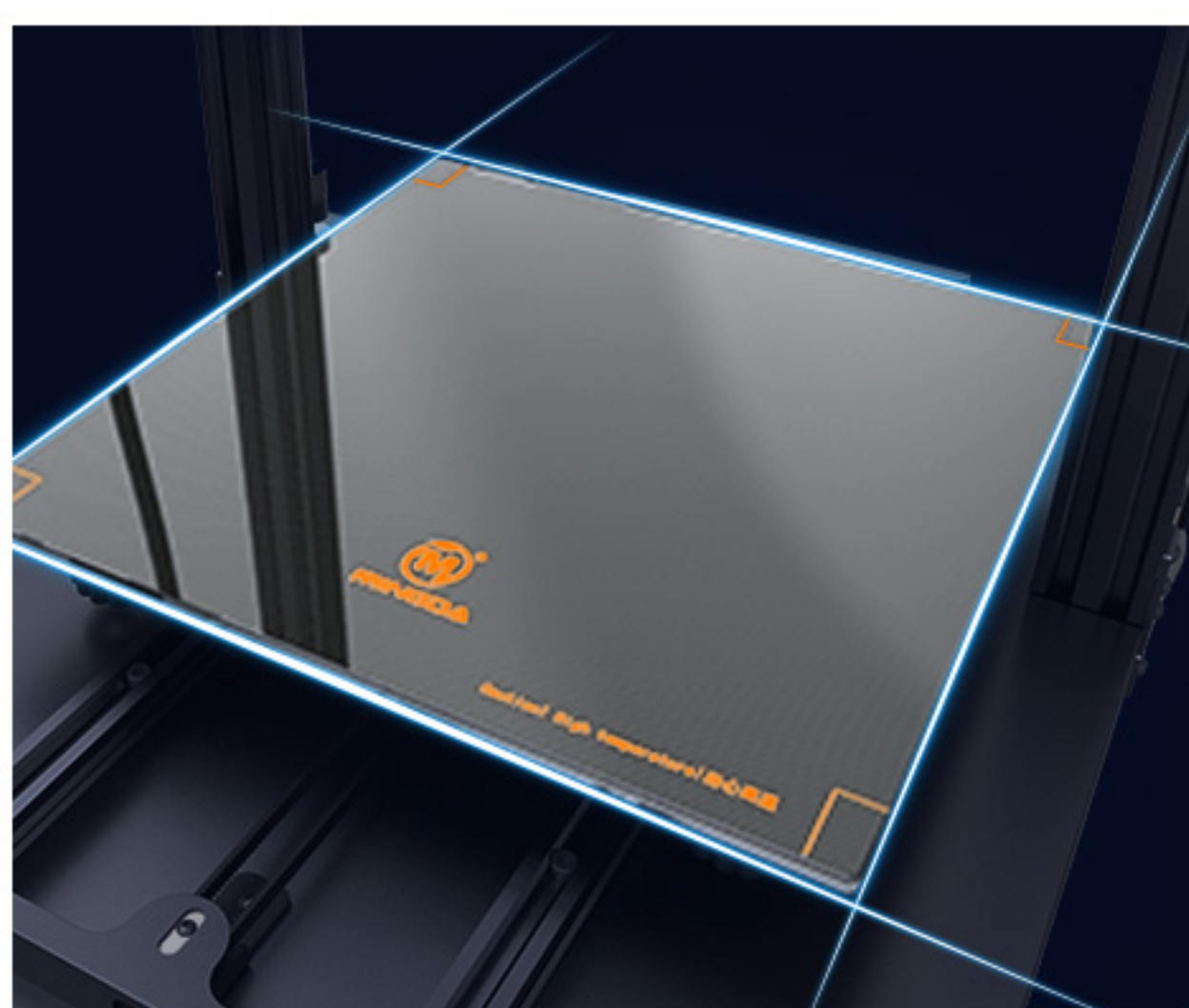
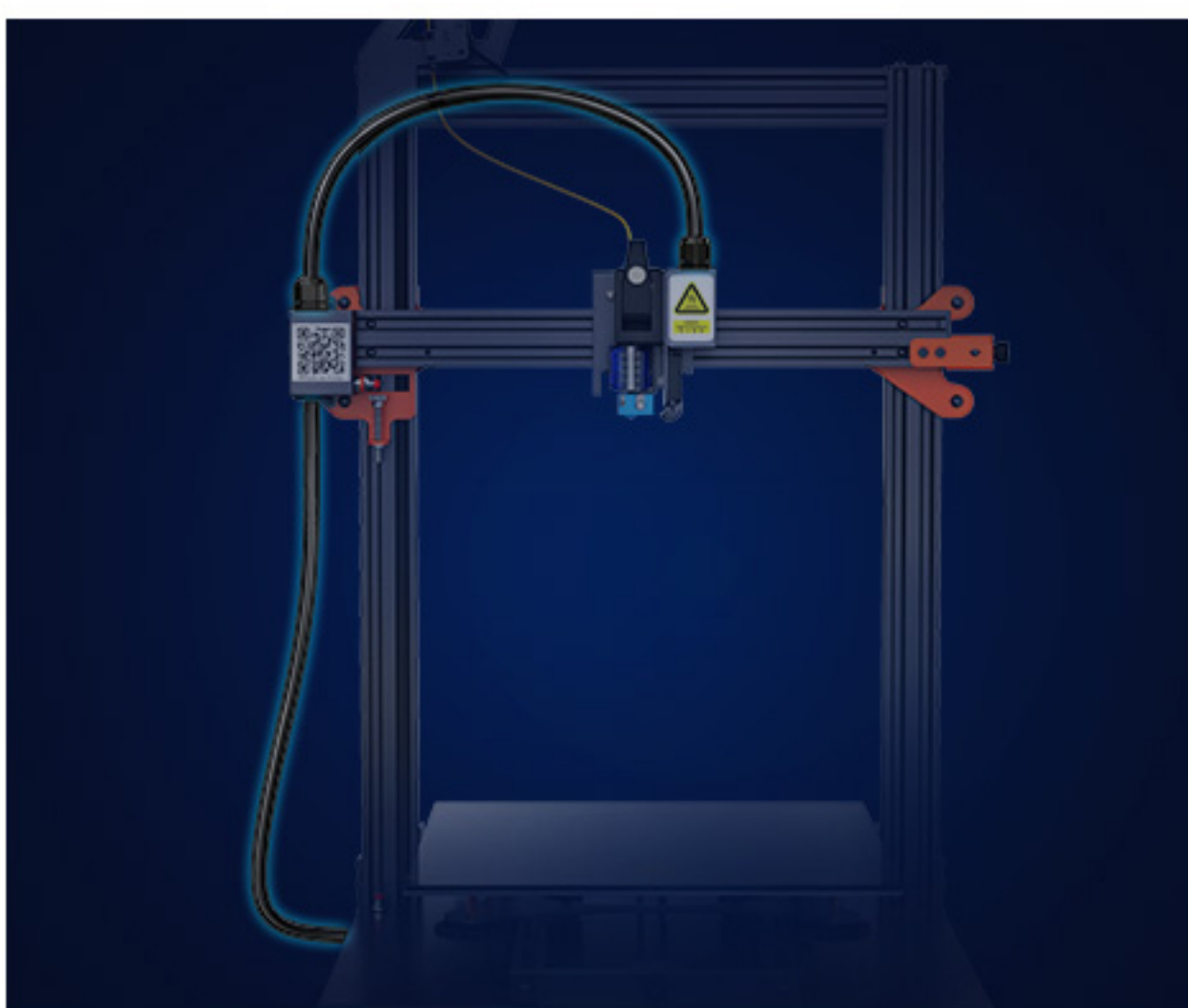
- 3.5 inch colorful touch screen
- simple to operate

- High precision mechanical limit switch



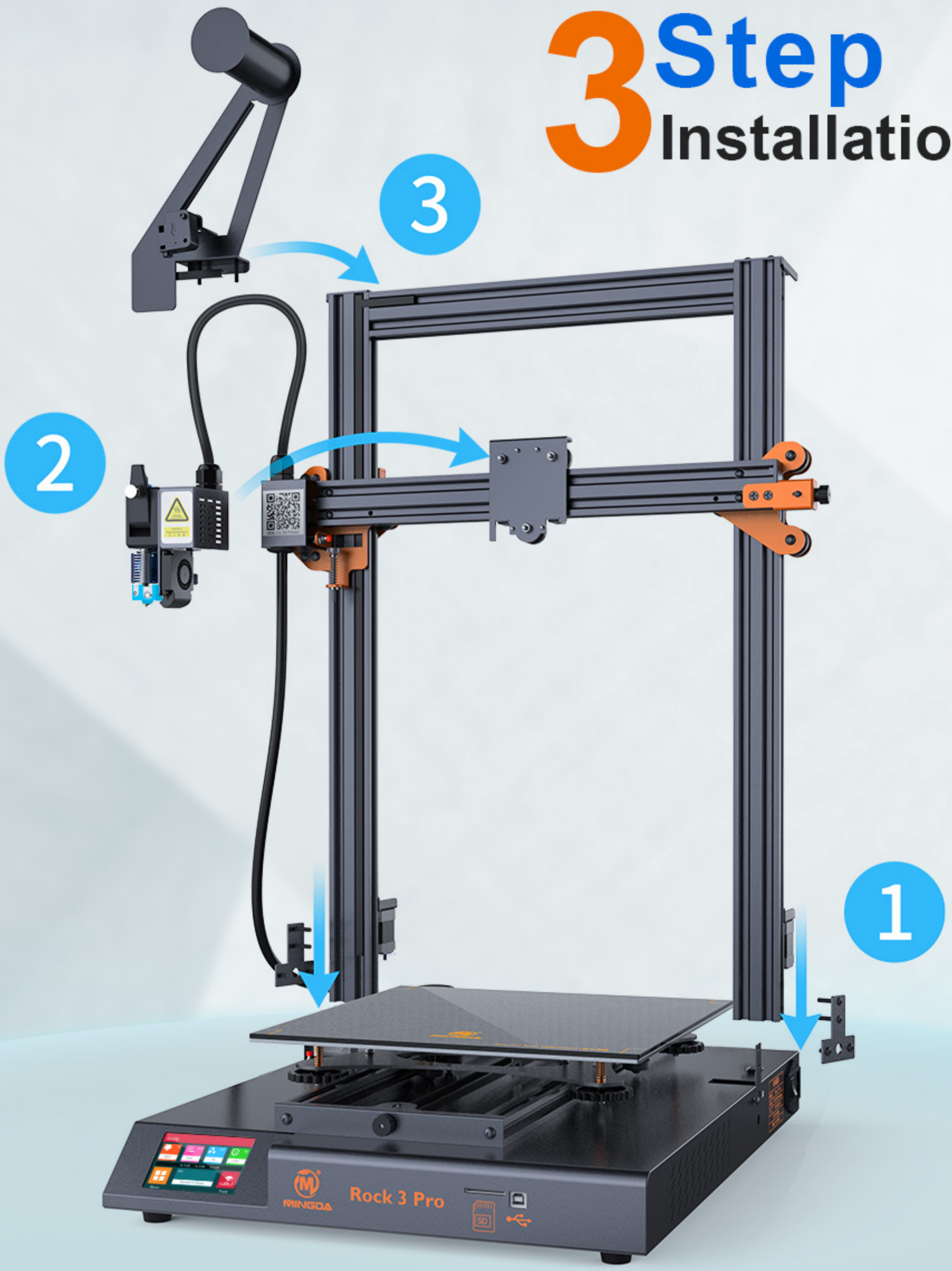
- Anti-backlash spring design on Z axis
- It can eliminate the axial backlash, ensure the stable operation of the Z-axis, and improve the printing accuracy

- Integrated cable, using wear-resistant PVC material, more durable



- Fast heating
- It only need 0.5min to heating the heat bed to 50 °C

3 Step Installation



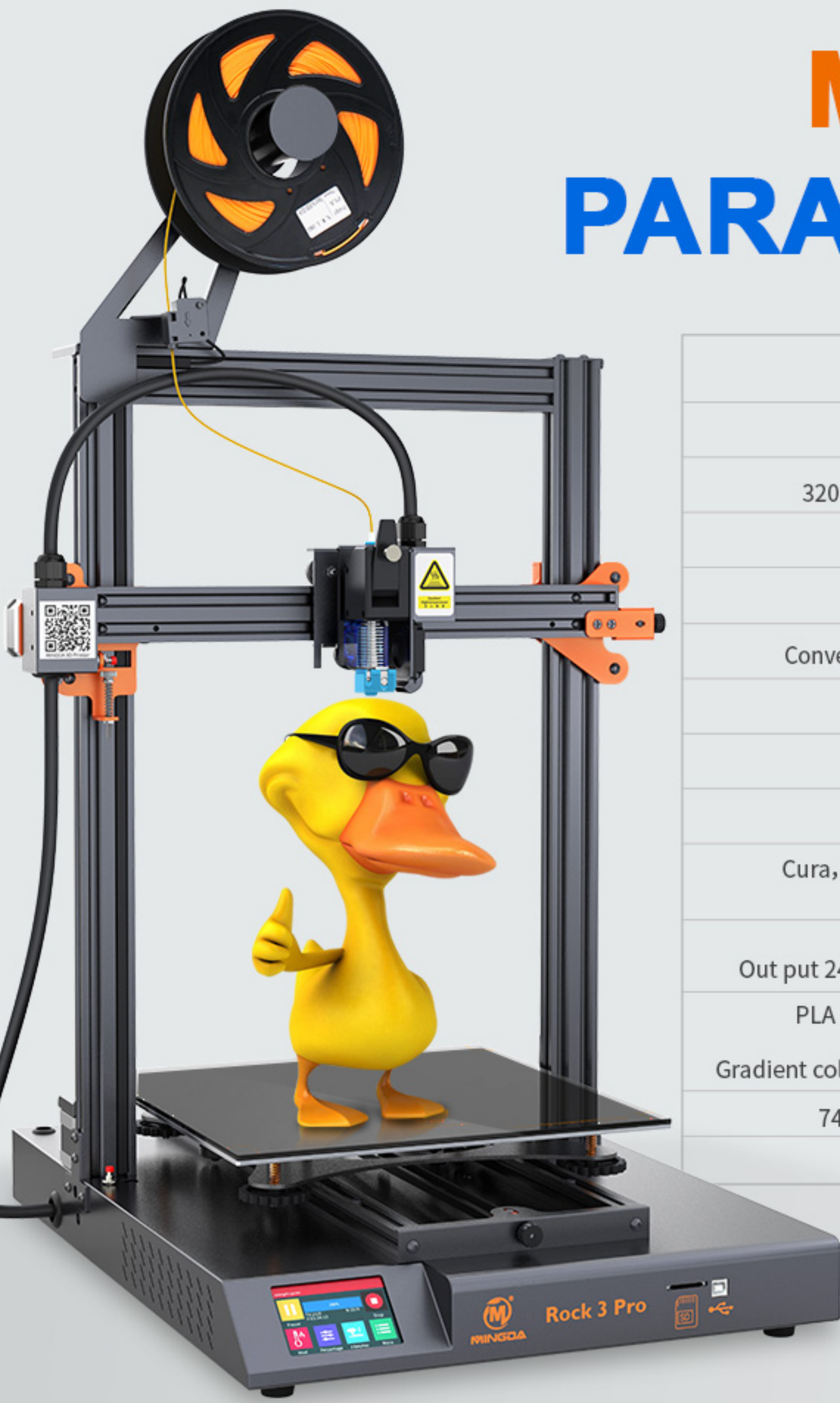
High Accuracy With $\pm 0.1\text{mm}$ Tolerance



File Size: 20*20*20mm

Tested Cube: X: 20.04mm Y: 20.03mm Z: 20.02mm

MACHINE PARAMETERS



Rock 3 pro	Model
FDM	Printing Technology
320 x 320 x400mm	Printing Size
20-60mm/s	Printing Speed
0.1mm	Printing Accuracy
Conventional 0.4mm	Nozzle Diameter
0-110°C	Heat Bed Temperature
SDcard, USB	Operating Mode
Stl; Obj; Gcode	File Format
Cura, Repetier Host, Simplify 3d	Slicing Software
Input 110/220V Out put 24VDC 360W 15A	Power Supply Parameter
PLA , ABS , Flexible, Wood, Cooper, Gradient color filament, etc	Printing Material
740x600x320mm	Package Size
17.5kg	N.W

Application

Ultimate Performance for a Real Experience



Medical



Animation



Toy



Tools



Education



Architecture