



INSTRUCTION MANUAL

There is no perfect machine, only you can make it perfect.

You give it a variety of smart power,

Let its take you

Travel 3D print world

 **BLACK
WIDOW**

BLACK WIDOW™
NOT TOUCH!



Reveal
your personality
The original 3d printing is so simple

TEVO 3D Electronic Technology Co., Ltd.



CONTENTS



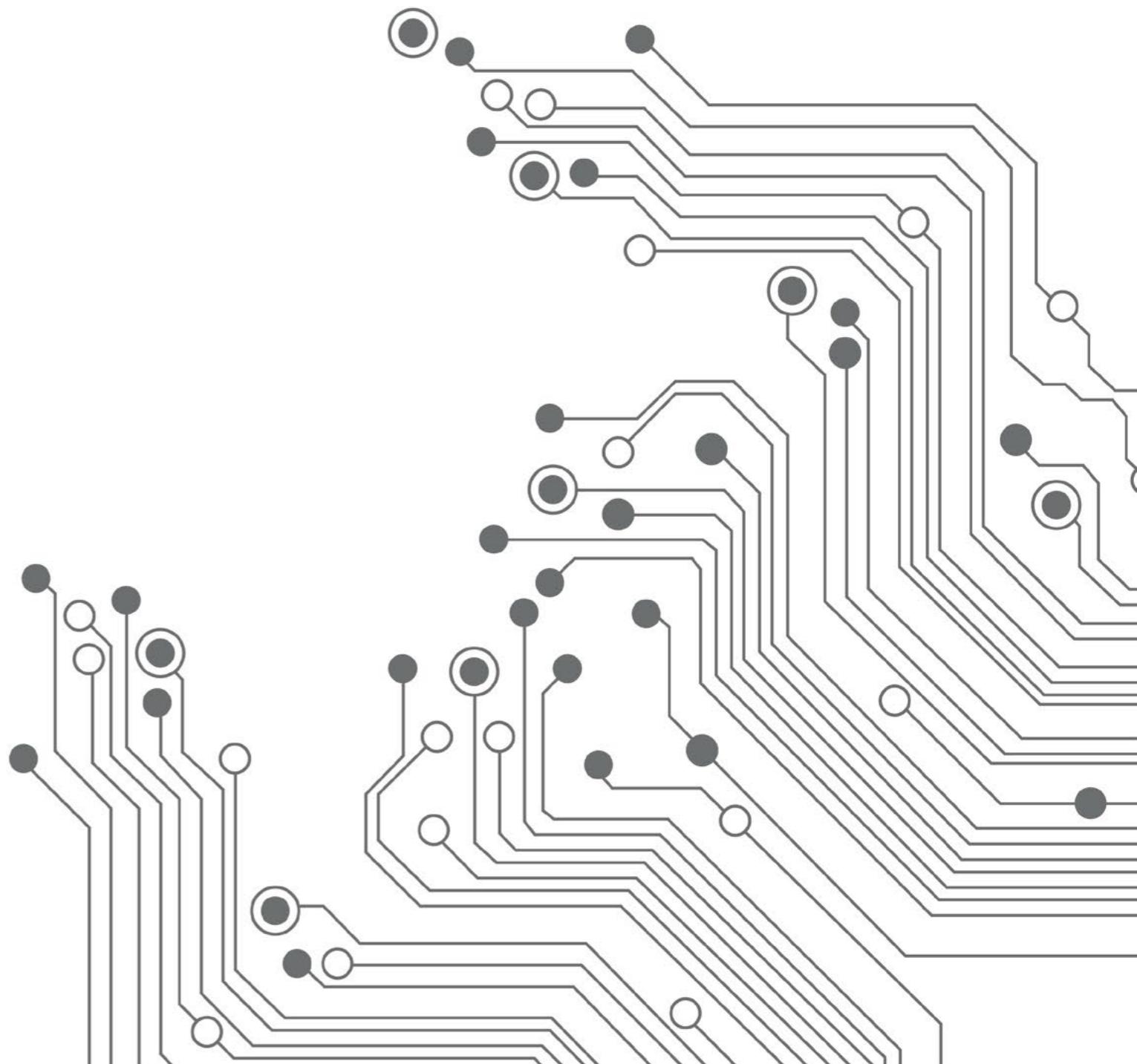
MECHANICAL PARTS

- 1 THE BOTTOM BRACKET INSTALLATION
- 3 Z AXIS MOVEMENT TRACK INSTALLATION
- 5 BED FRAME INSTALLATION
- 6 Y AXIS ASSEMBLY
- 10 X AXIS ASSEMBLY
- 15 AT THE TOP OF THE SCAFFOLD
- 19 THE X AXIS INSTALLATION
- 25 Z AXIS TRANSMISSION SET OF INSTALLATION
- 27 INSTALL THE HOT BED
- 29 DRAG CHAIN INSTALLATION
- 32 LIMIT ENDSTOP INSTALLATION



THE MAIN BOARD BOX

- 34 CONTROL BOX INSTALLATION



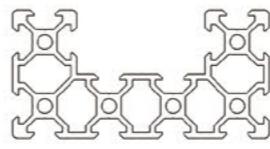
ABOUT US



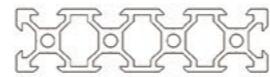
THE BOTTOM BRACKET INSTALLATION



PARTS
ARE READY



► PROFILE 4080 *1

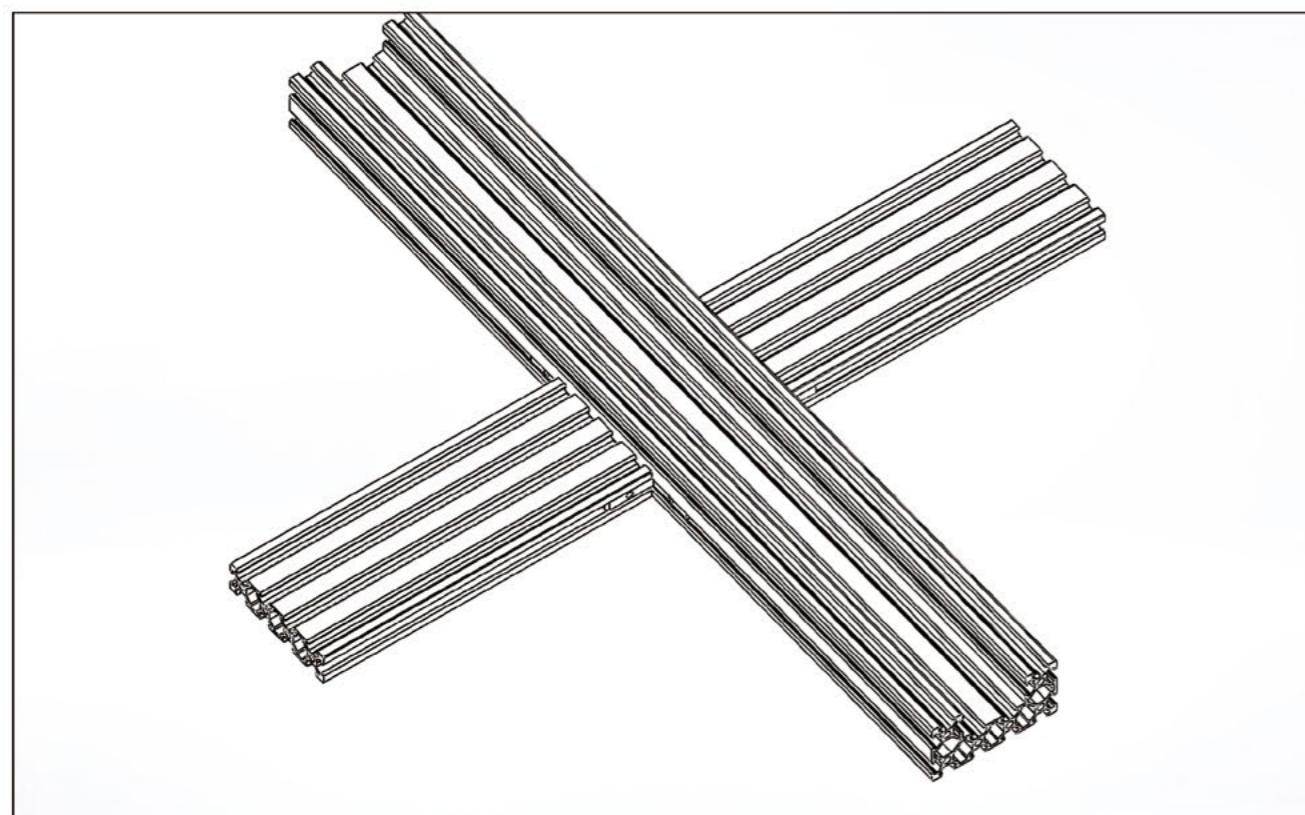
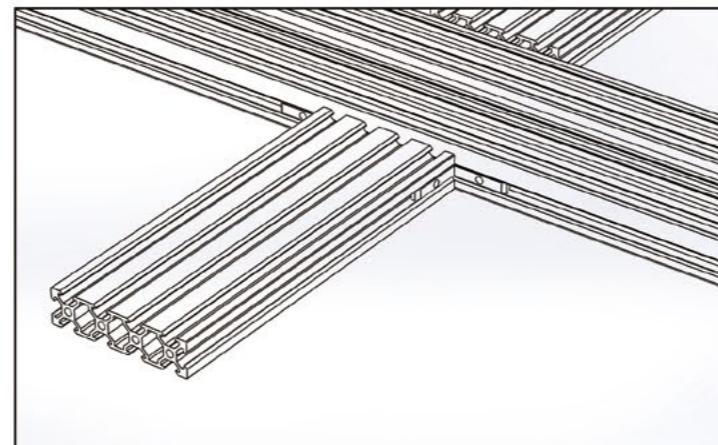
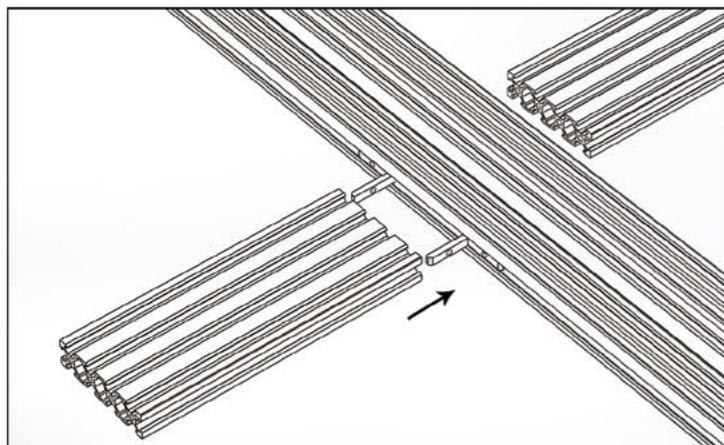
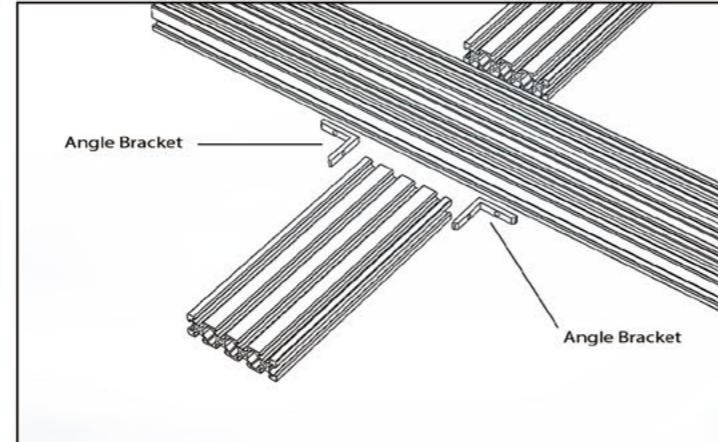
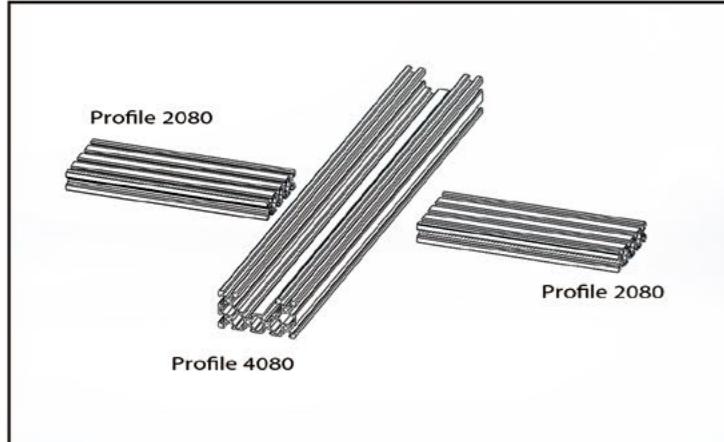


► PROFILE 2080 *2

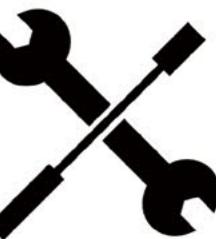


► ANGLE BRACKET * 4

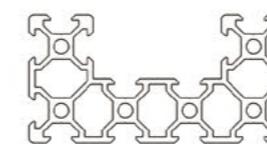
THE BOTTOM BRACKET INSTALLATION



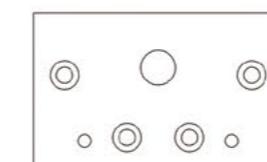
Z AXIS MOVEMENT TRACK INSTALLATION



**PARTS
ARE READY**



► PROFILE 4080 *2

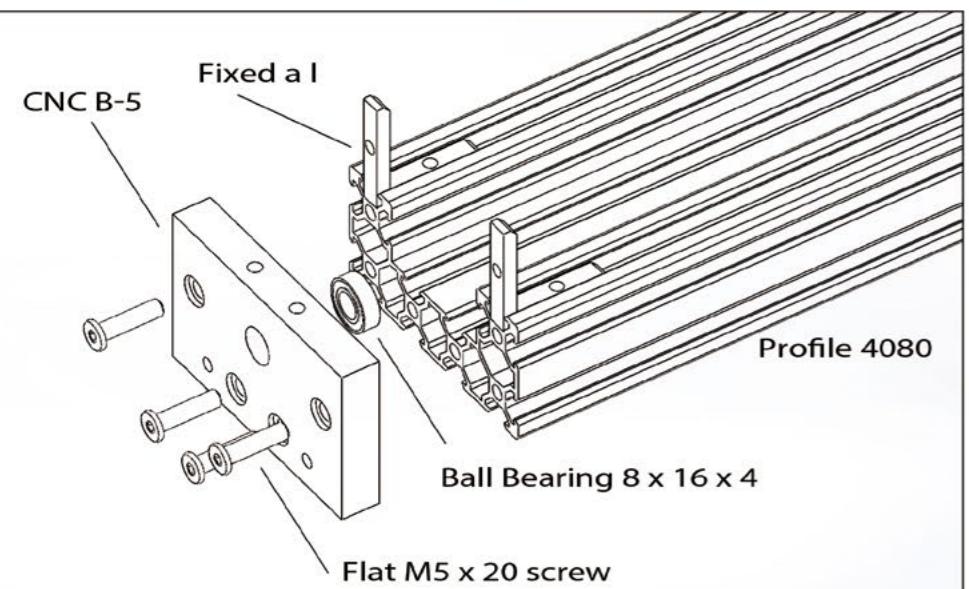


► CNC B-5
CNC B-6

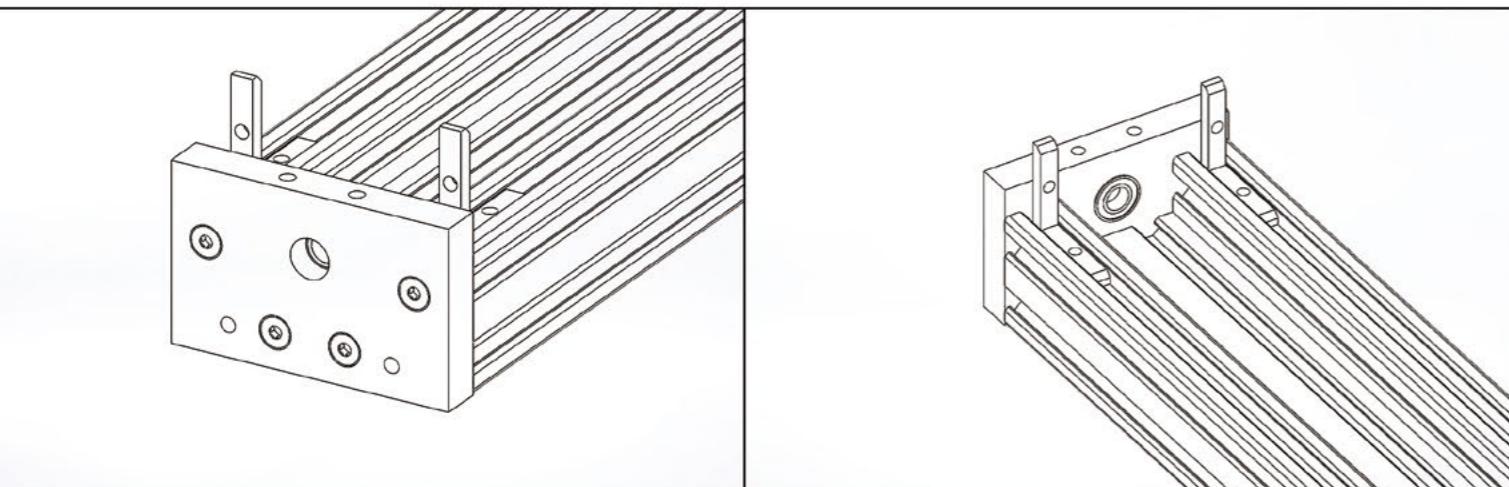
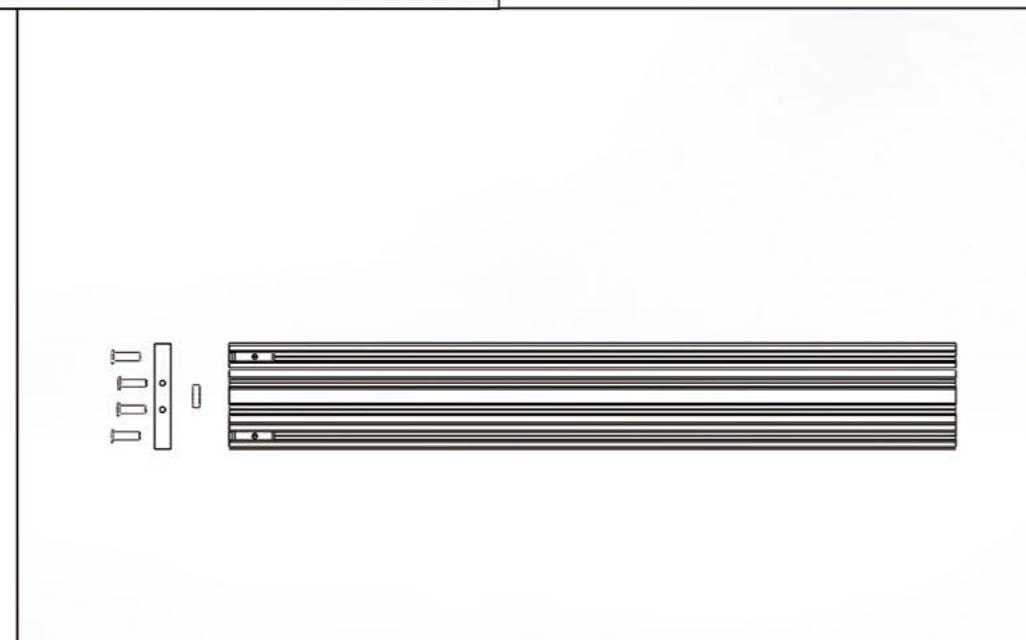


► FLAT M5 X 20 SCREW * 8
BALL BEARING 8 X 16 X 4 * 2
ANGLE BRACKET * 4

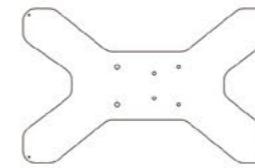
Z AXIS MOVEMENT TRACK INSTALLATION



Repeat install a,
a total of 2 Z axis



BED FRAME INSTALLATION



- CNC Bed frame
CNC B-10

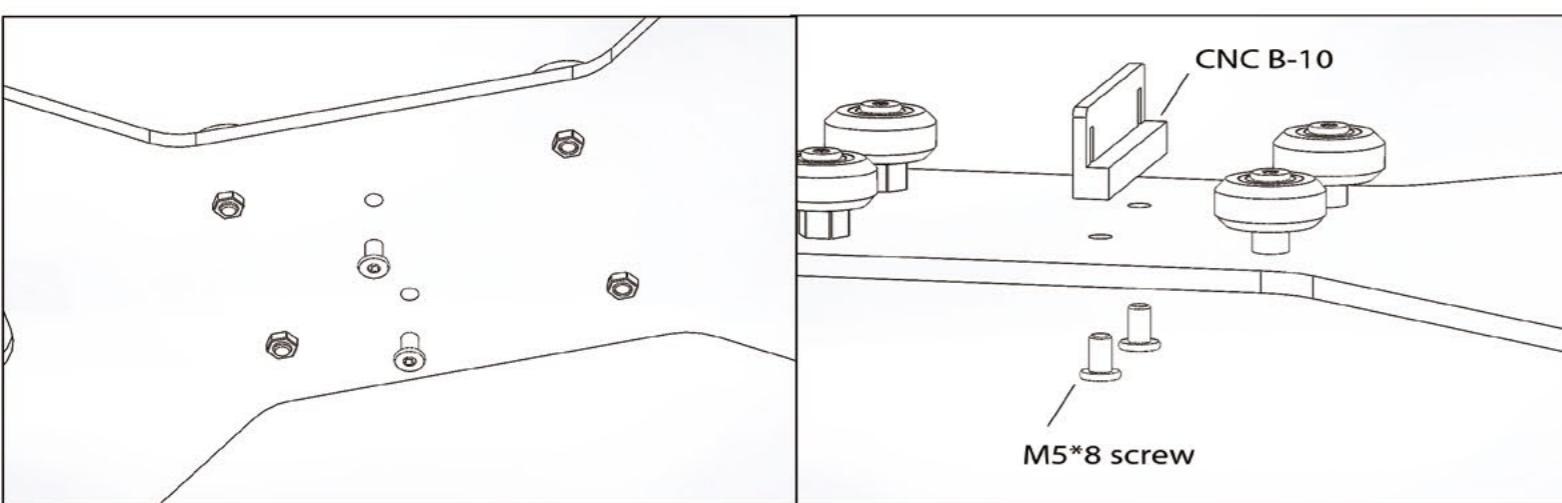
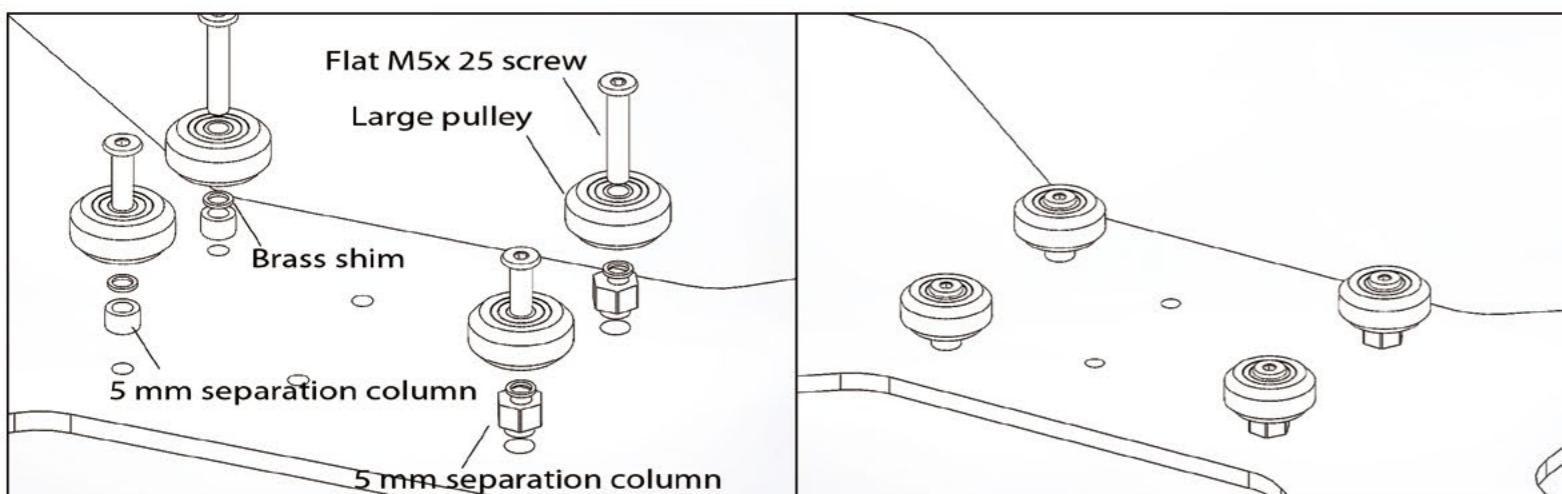
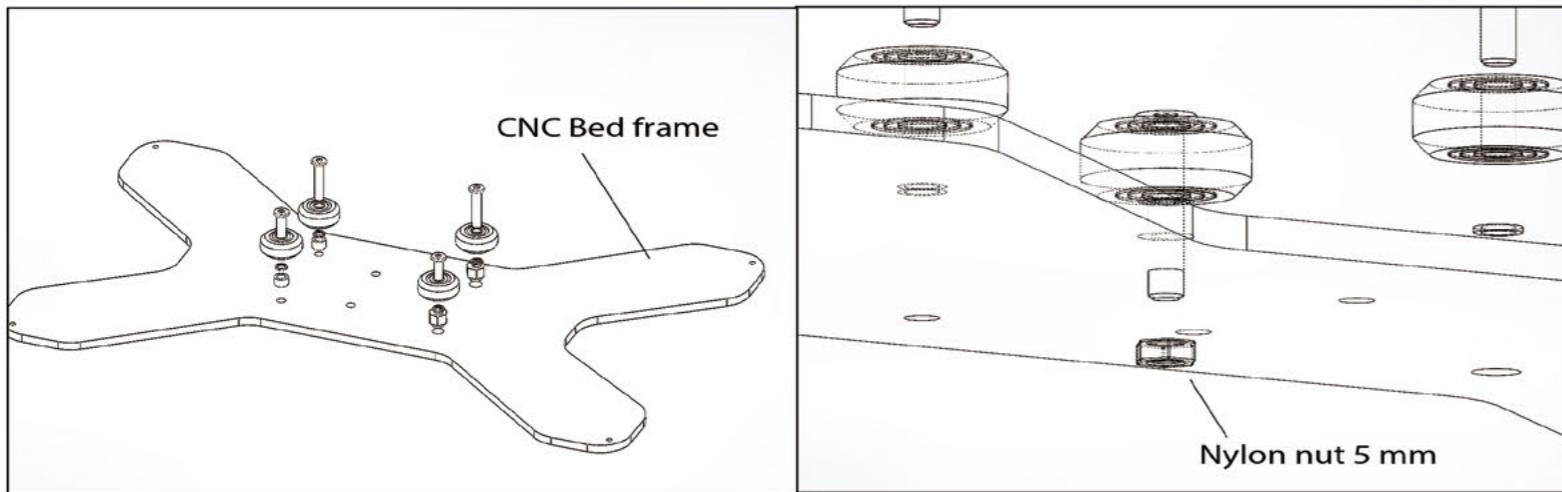


- Flat M5 x 25 screw * 4
5 mm separation column *2
Eccentric nut *2
Brass shim *4
Large pulley * 4
Nylon nut 5 mm *4
M5 *8 screw *2



PARTS
ARE READY

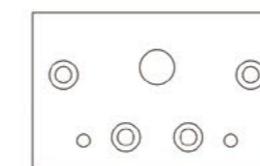
BED FRAME INSTALLATION



Y AXIS ASSEMBLY

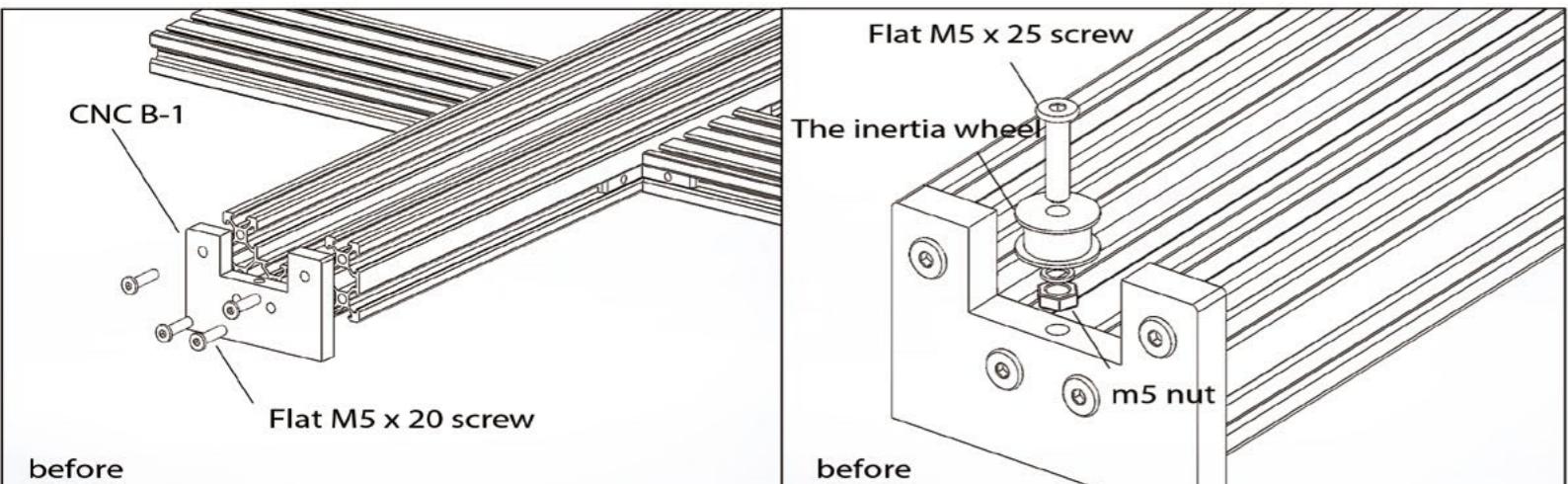


PARTS
ARE READY



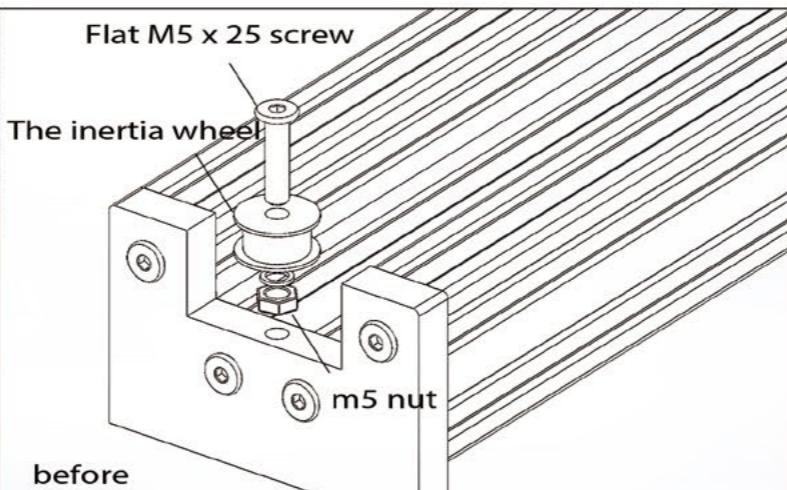
- CNC B-1
- CNC B-2
- B-13
- B-16
- Flat M5 x 25 screw * 1
- Flat M5 x 20 screw * 8
- Flat M4 x 16 screw * 2
- Flat M3 x 8 screw * 3
- Eccentric nut *2
- Inertia wheel
- m5 nut *1
- T nut *2
- 2 gt driving wheel

Y AXIS ASSEMBLY



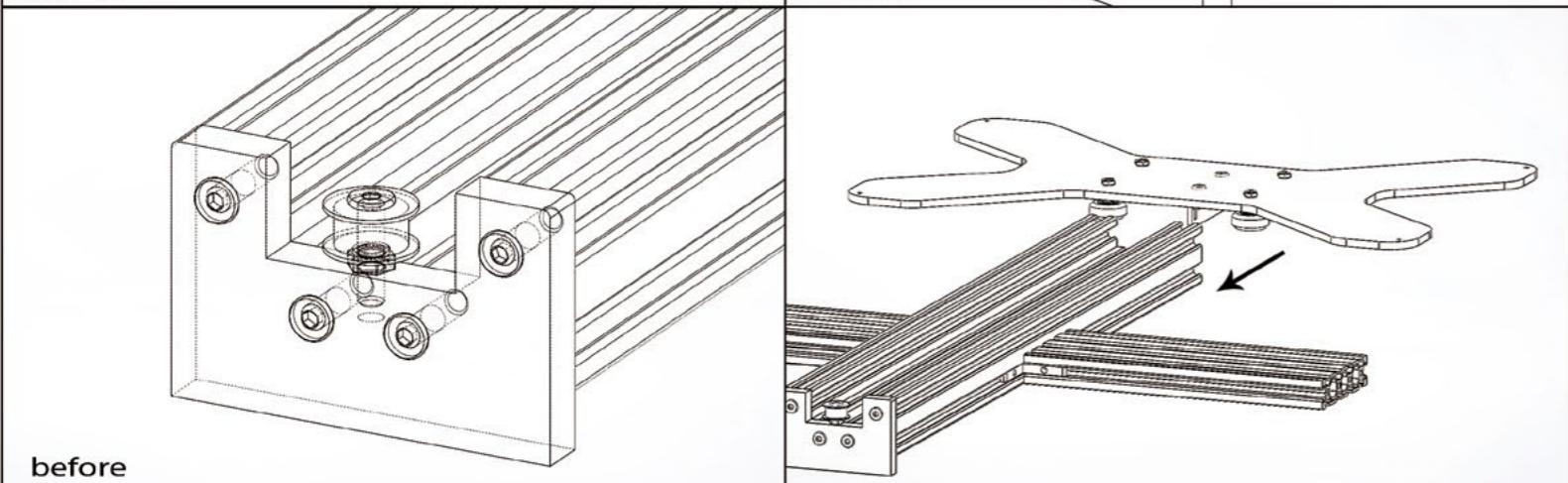
before

Flat M5 x 20 screw

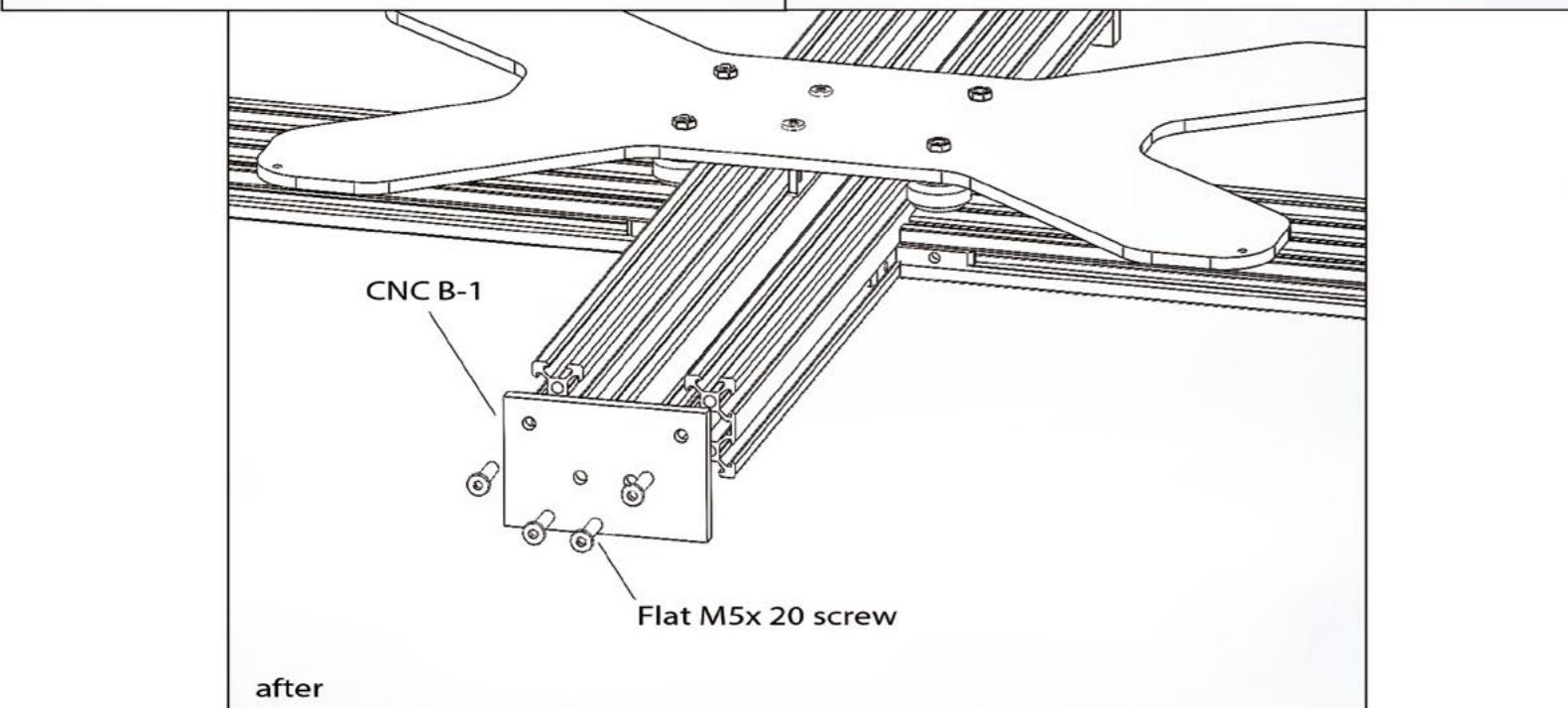


before

Flat M5 x 20 screw



before

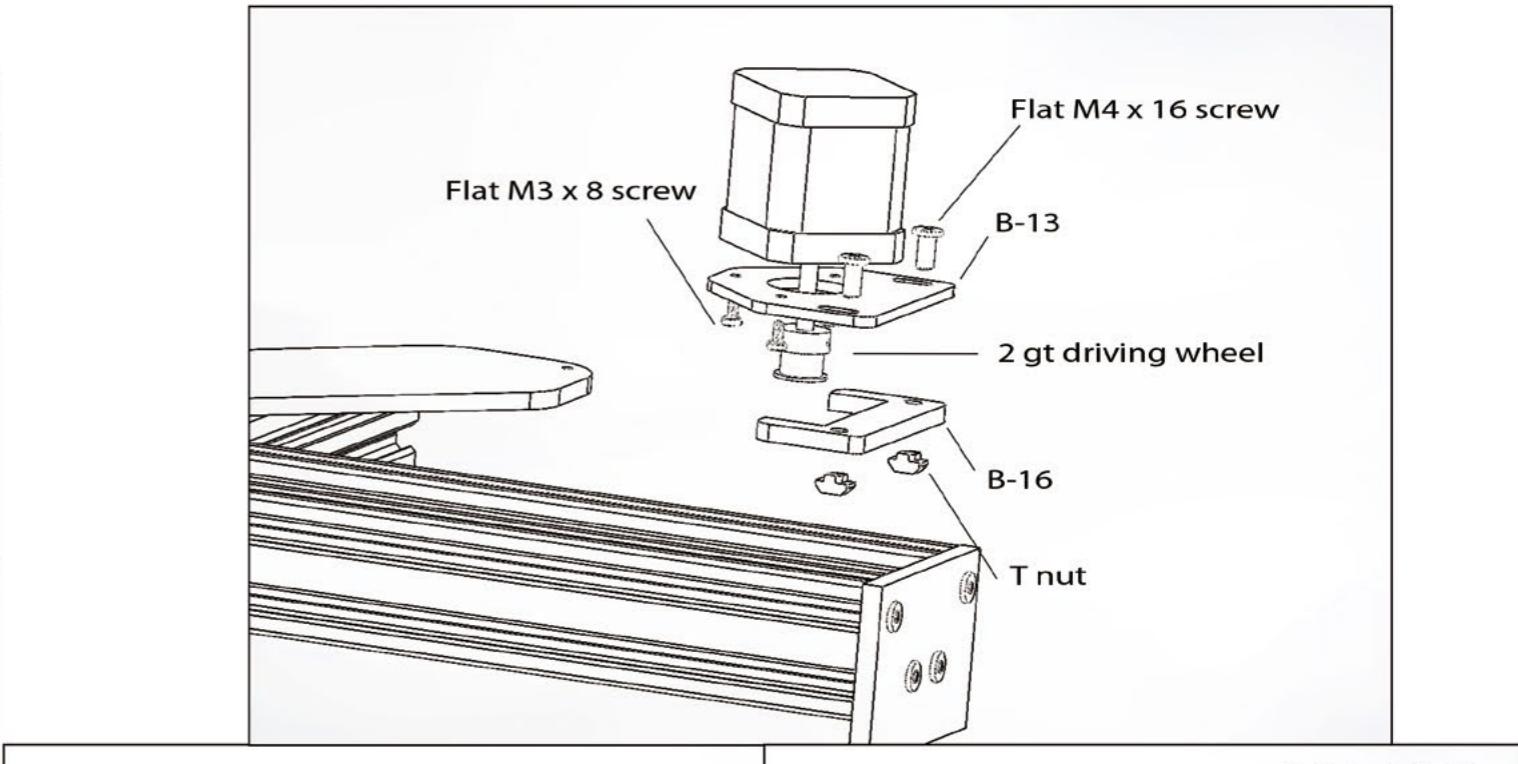


after

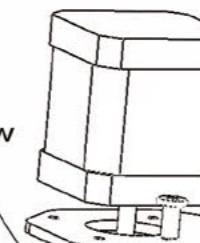
CNC B-1

Flat M5x 20 screw

Y AXIS ASSEMBLY



Flat M3 x 8 screw



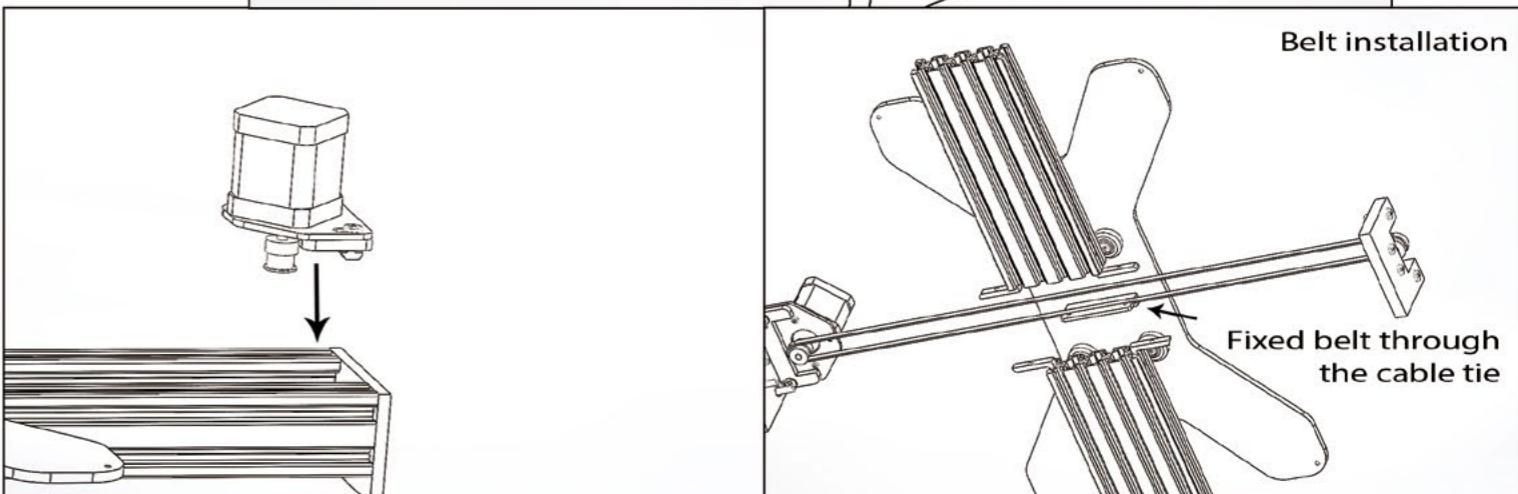
Flat M4 x 16 screw

B-13

2 gt driving wheel

B-16

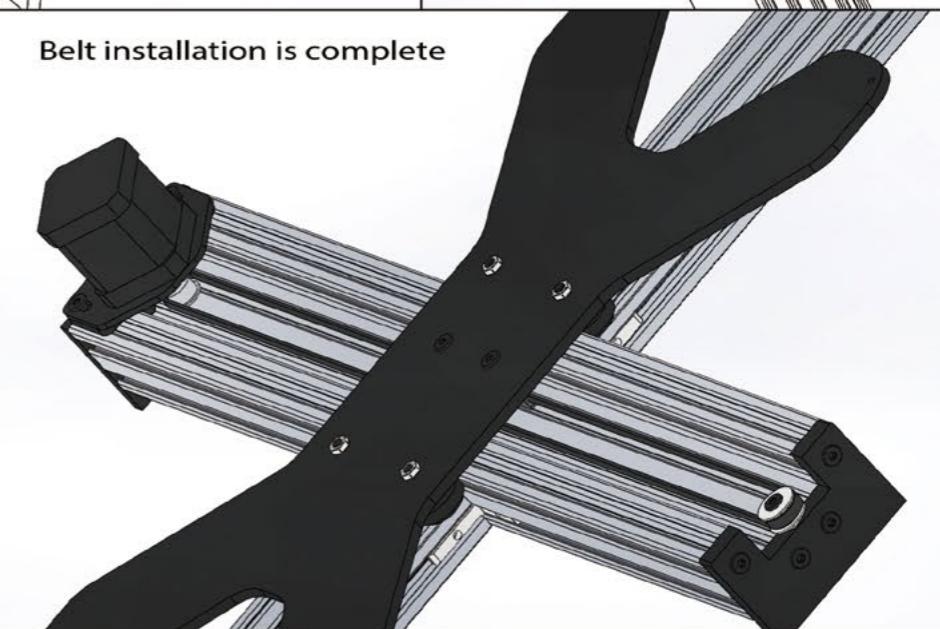
T nut



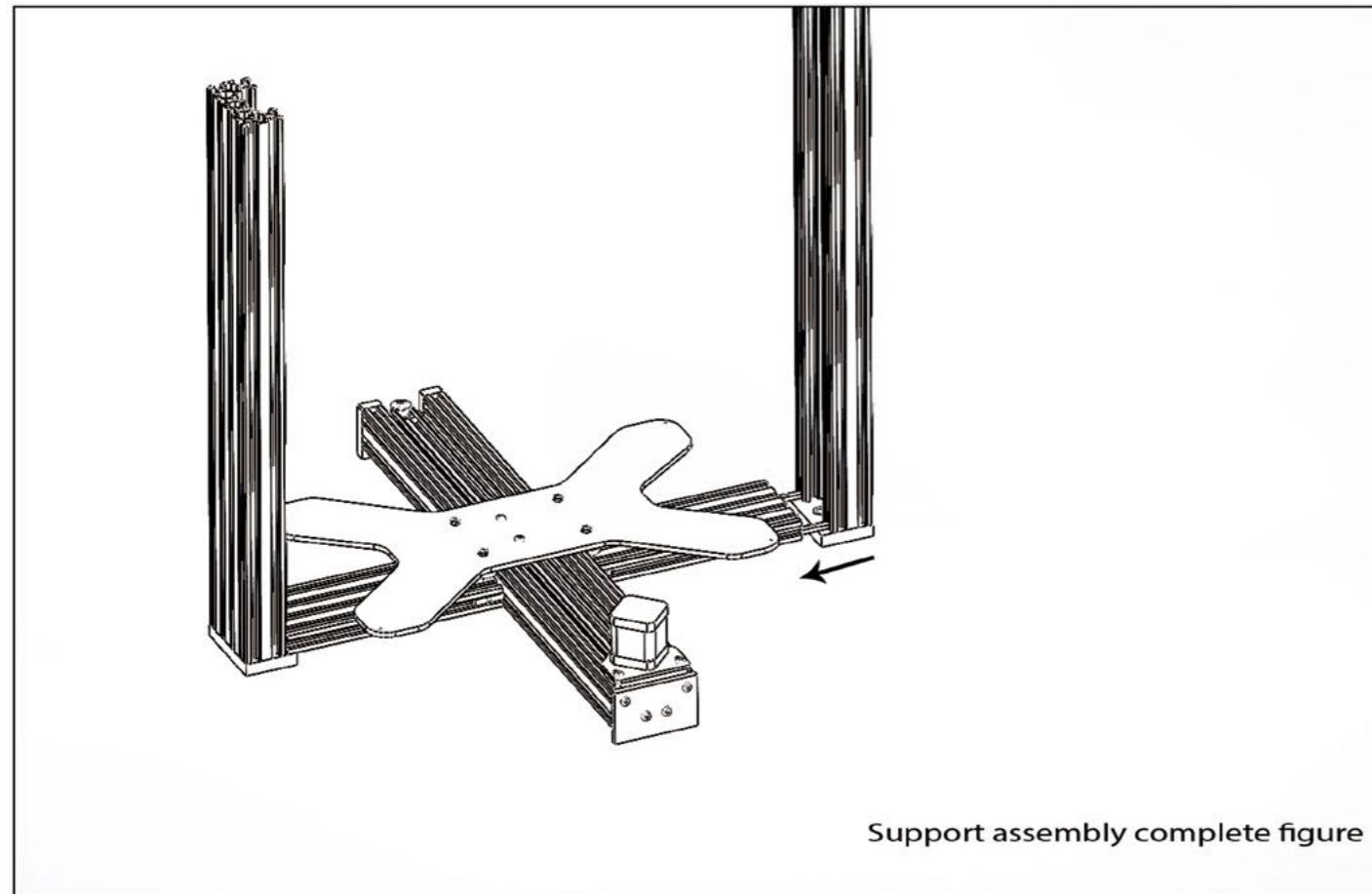
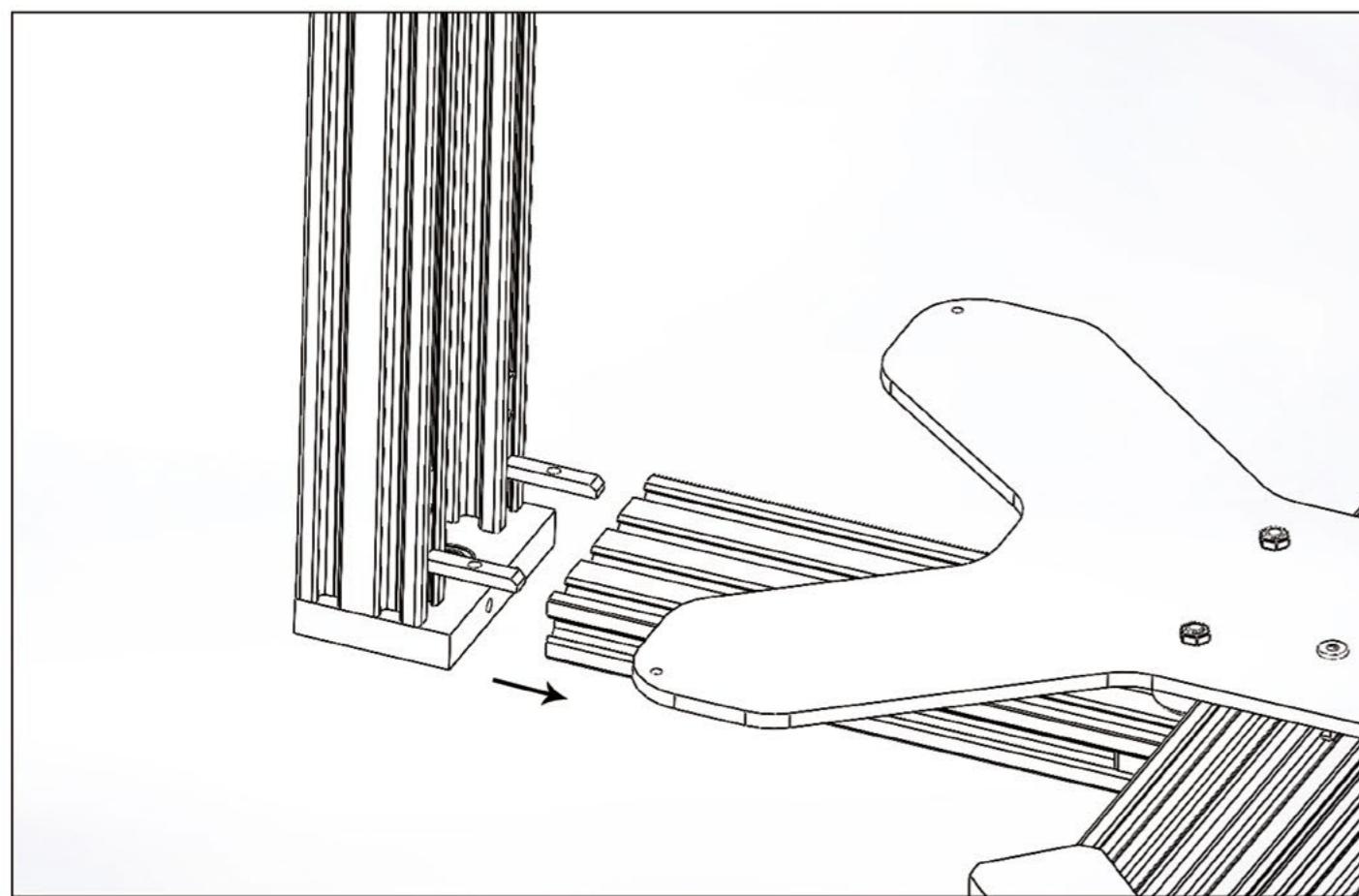
Belt installation

Fixed belt through the cable tie

Belt installation is complete



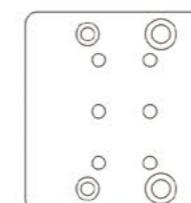
Y AXIS ASSEMBLY



X AXIS ASSEMBLY



**PARTS
ARE READY**

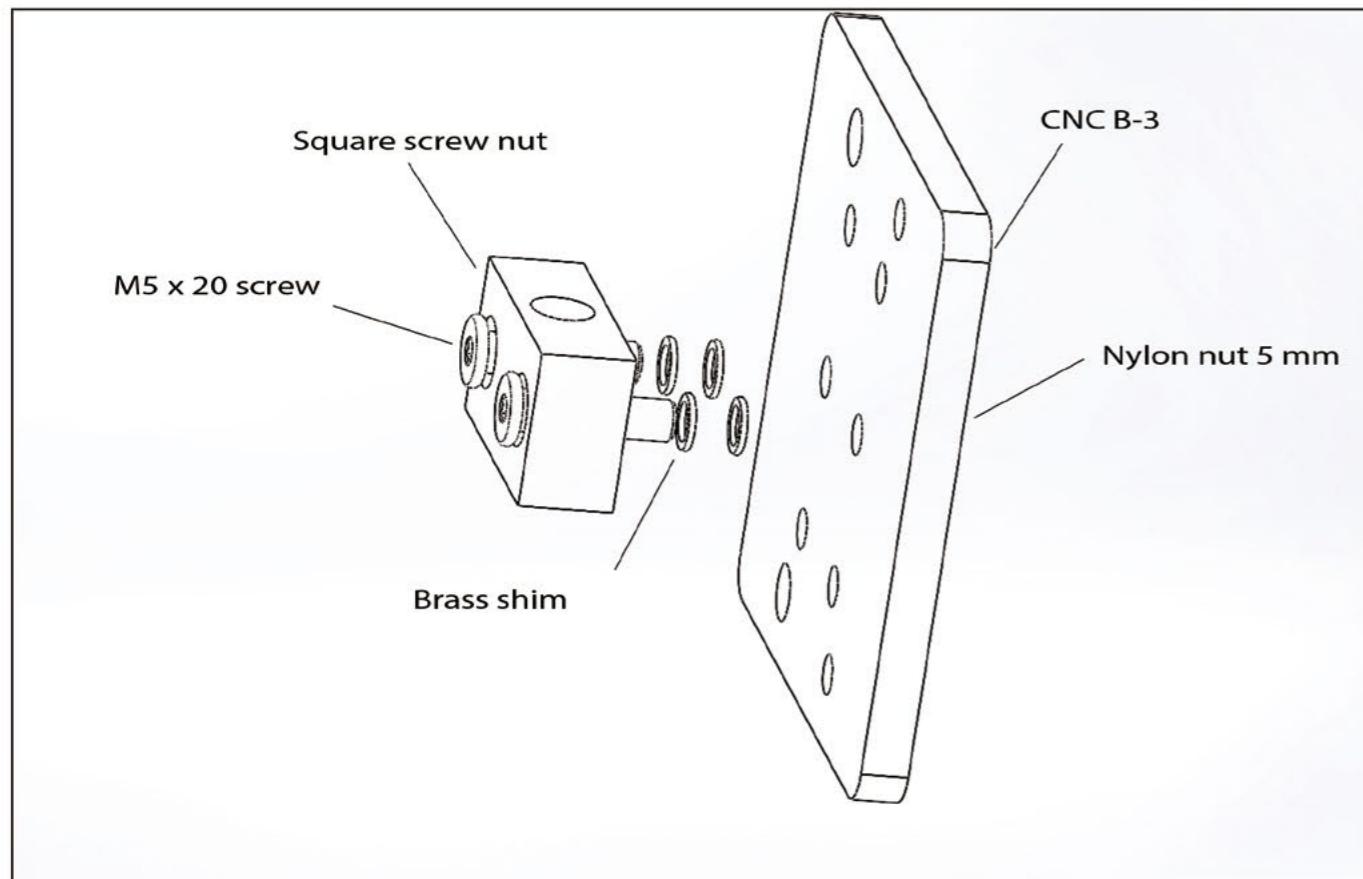


► CNC B-3
CNC B-4

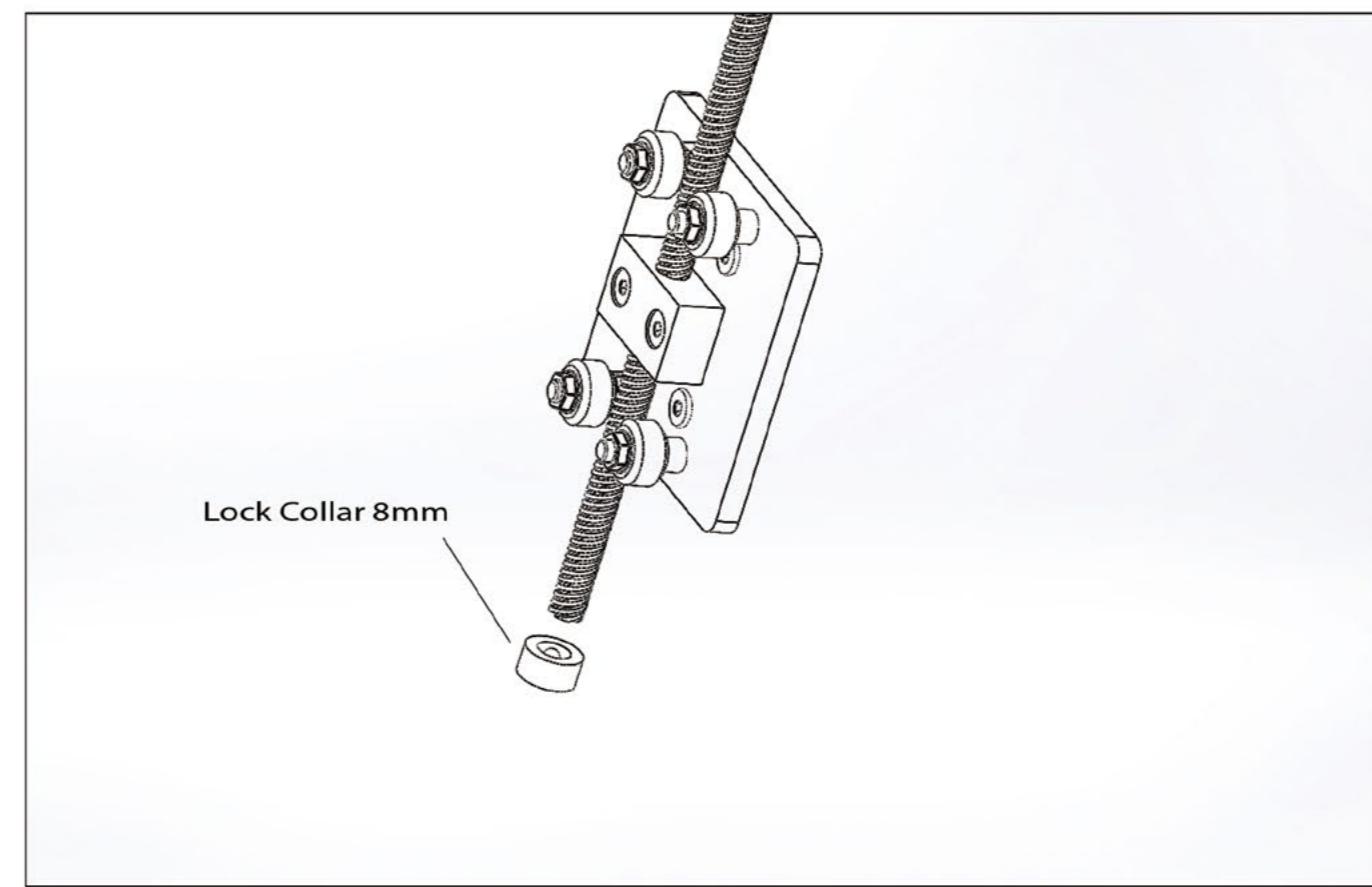
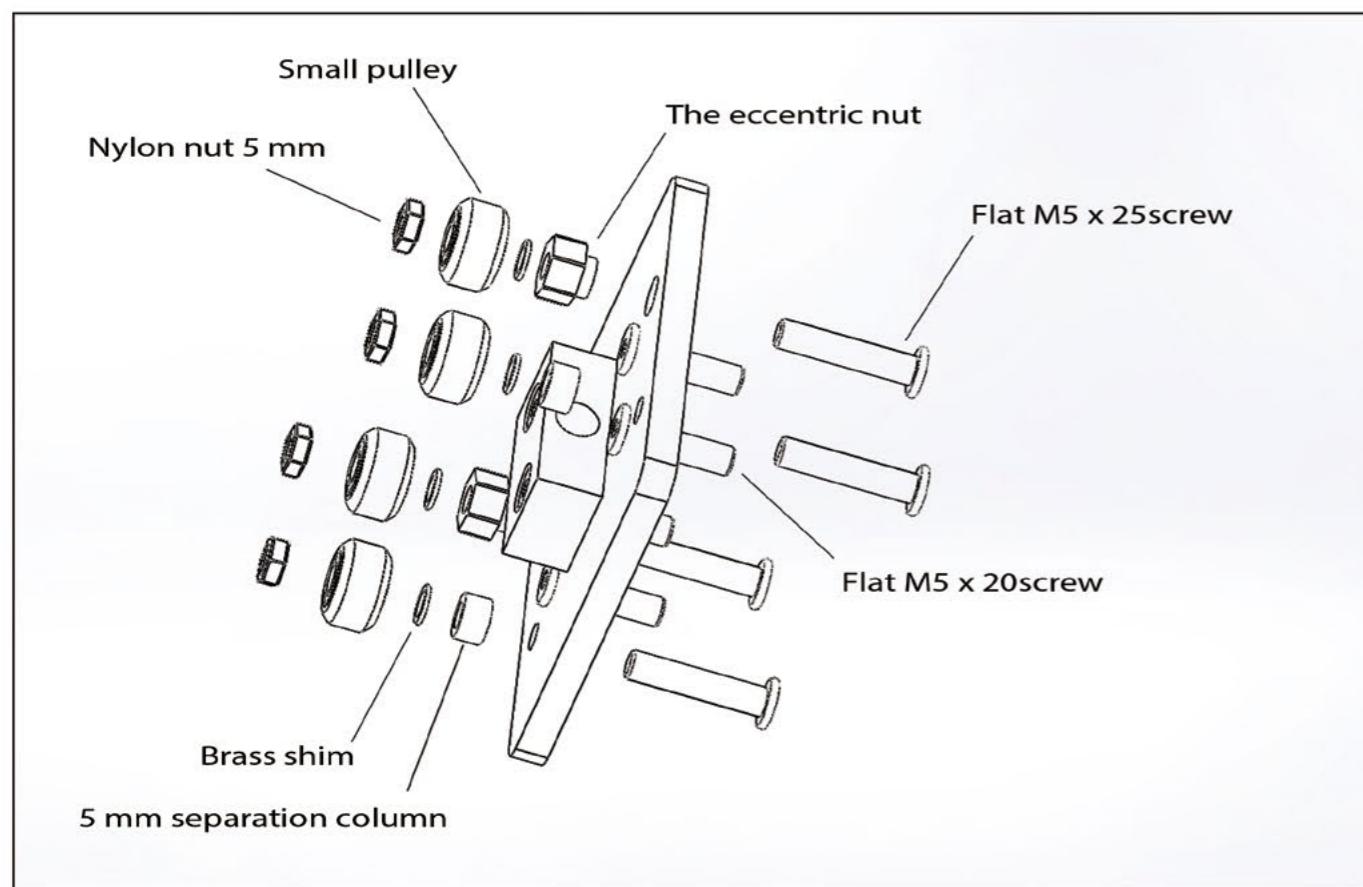
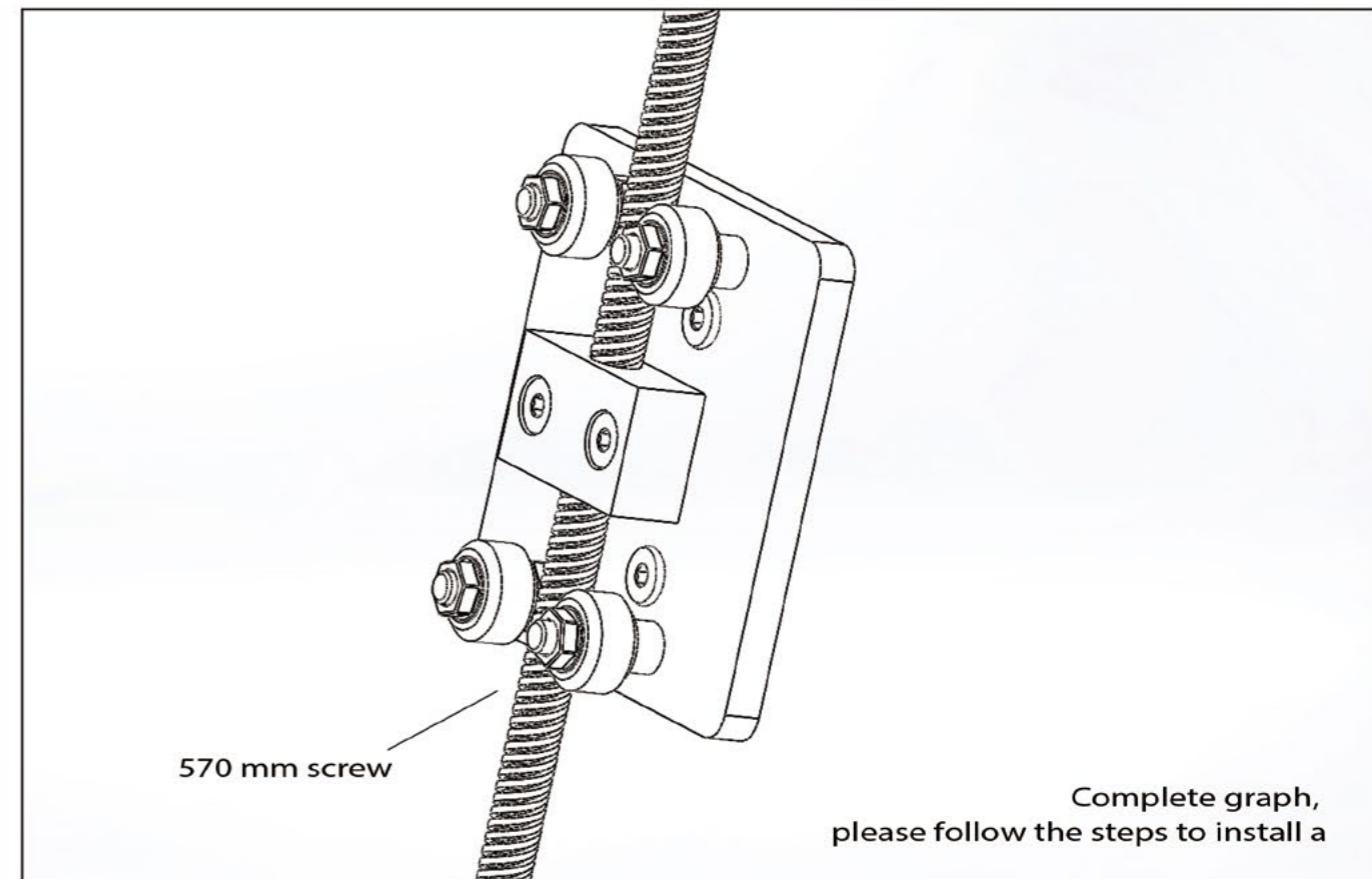


► Flat M5 x 25 screw * 12
Flat M5 x 15 screw * 8
Eccentric nut *4
Small pulley *8
Nylon nut 5 mm * 12
Brass shim *16
1 mm gasket *8
5 mm separation column *4
Square screw nut *2
2 gt belt wheel *2
Ball Bearing 8 x 16 x 5 *2
570 mm screw
Lock Collar 8mm *4

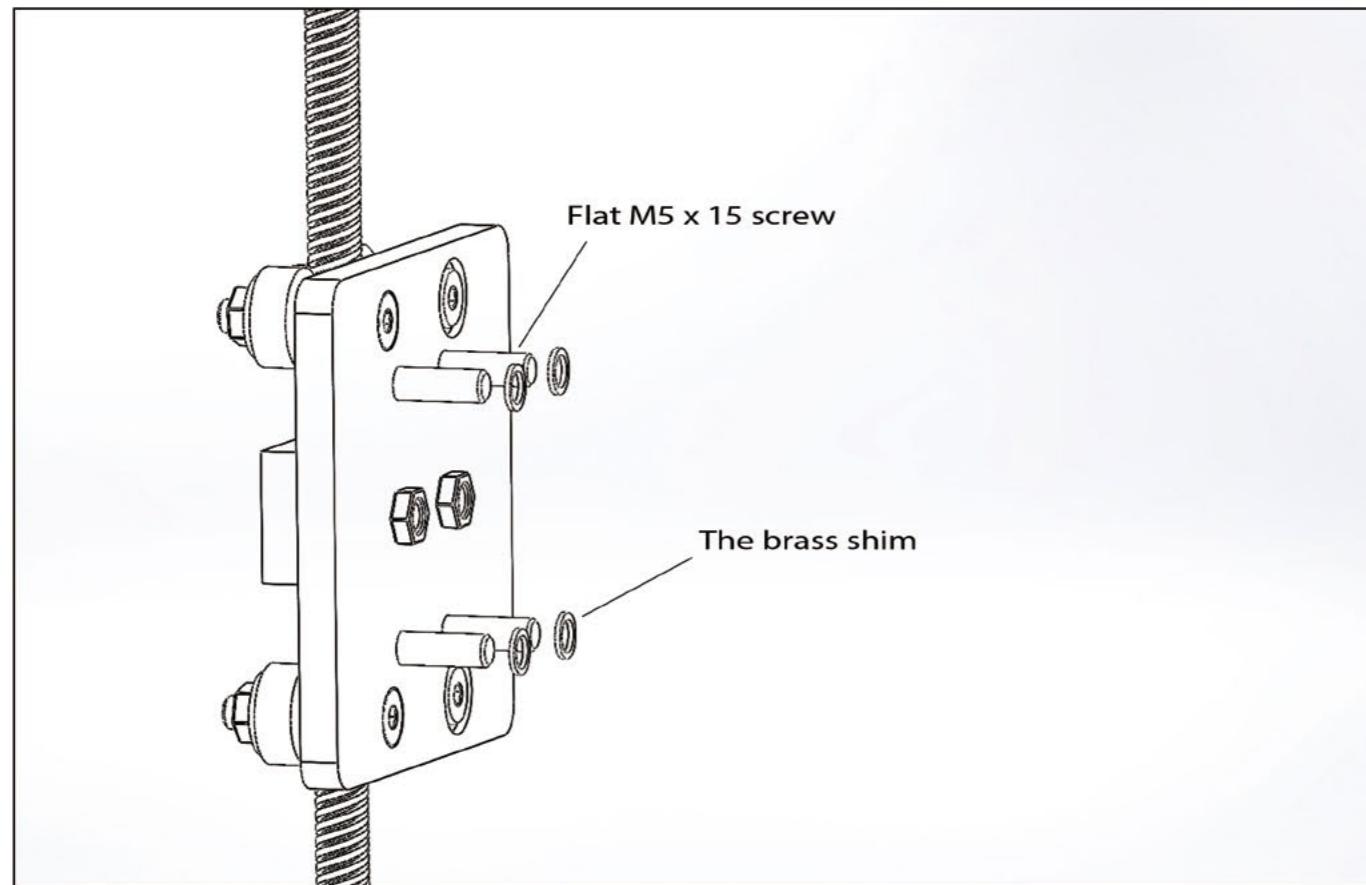
X AXIS ASSEMBLY



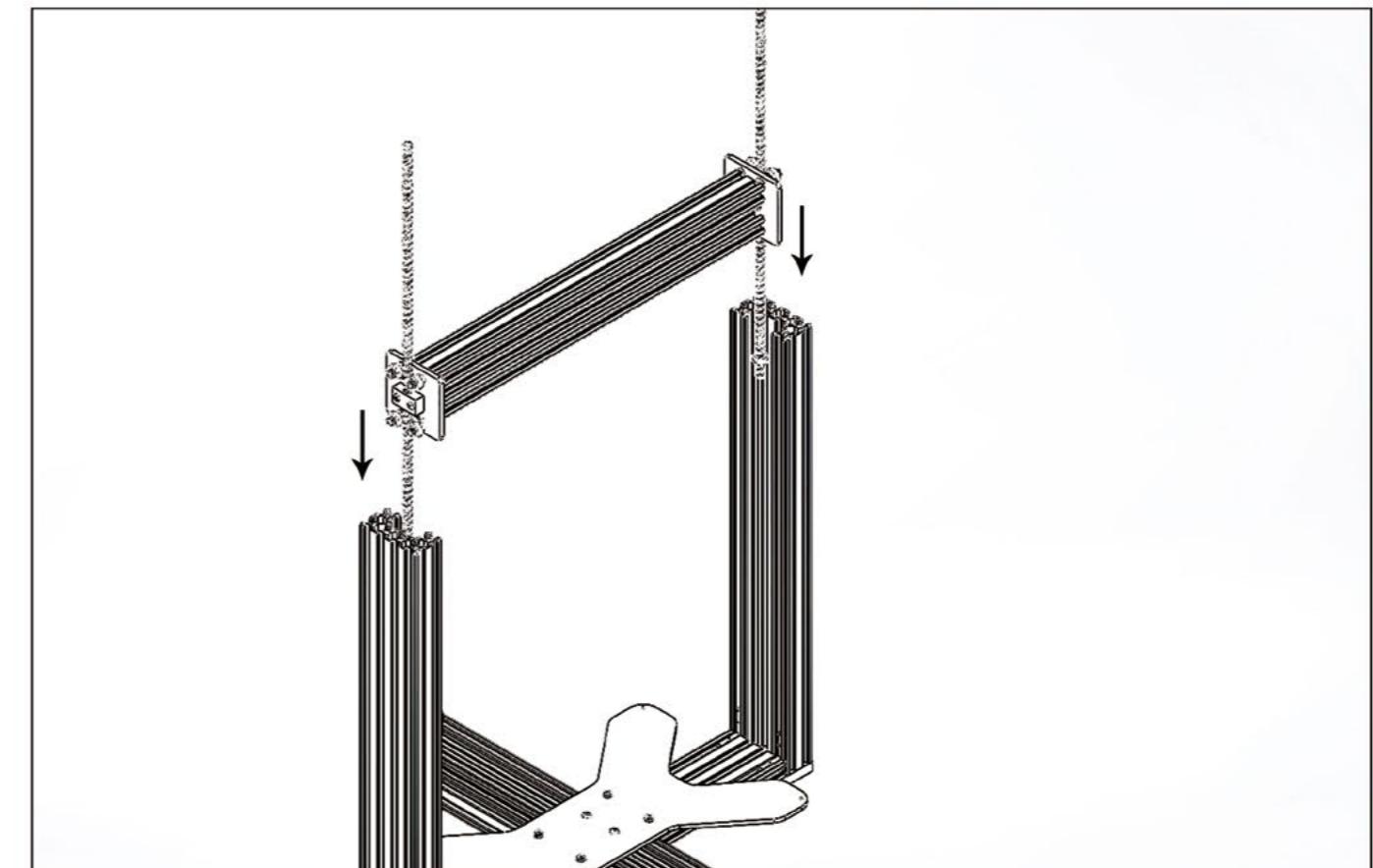
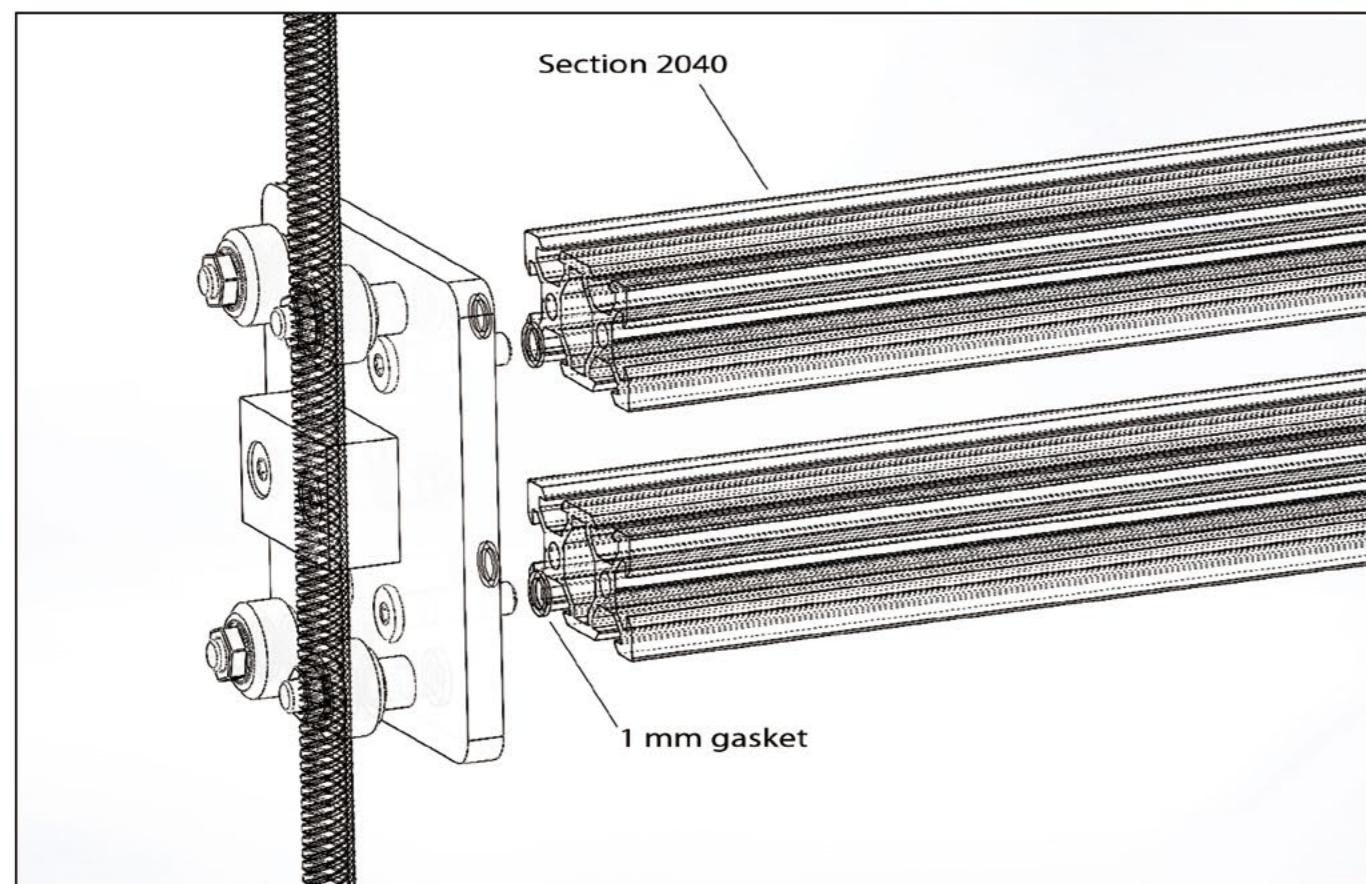
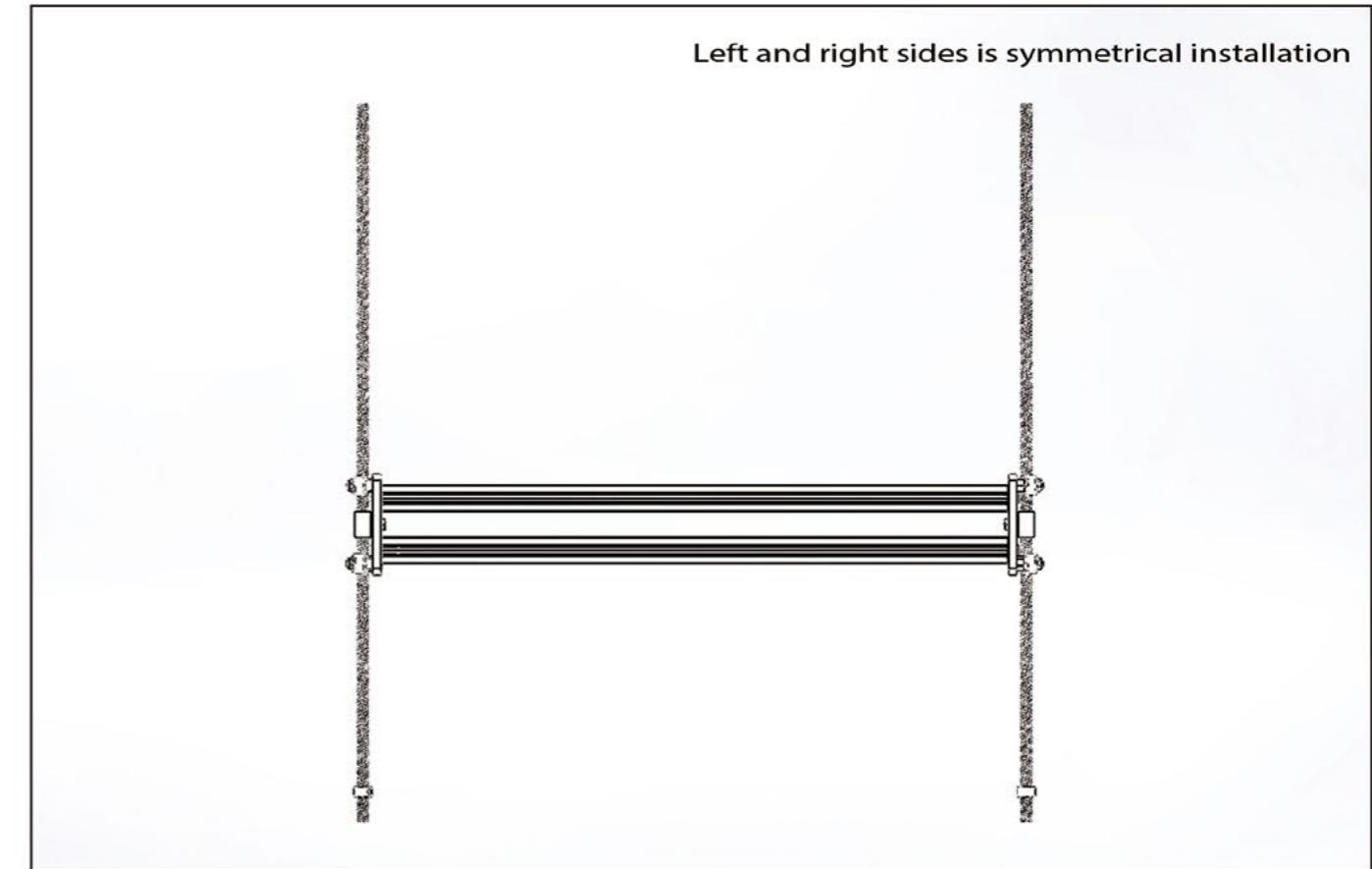
X AXIS ASSEMBLY



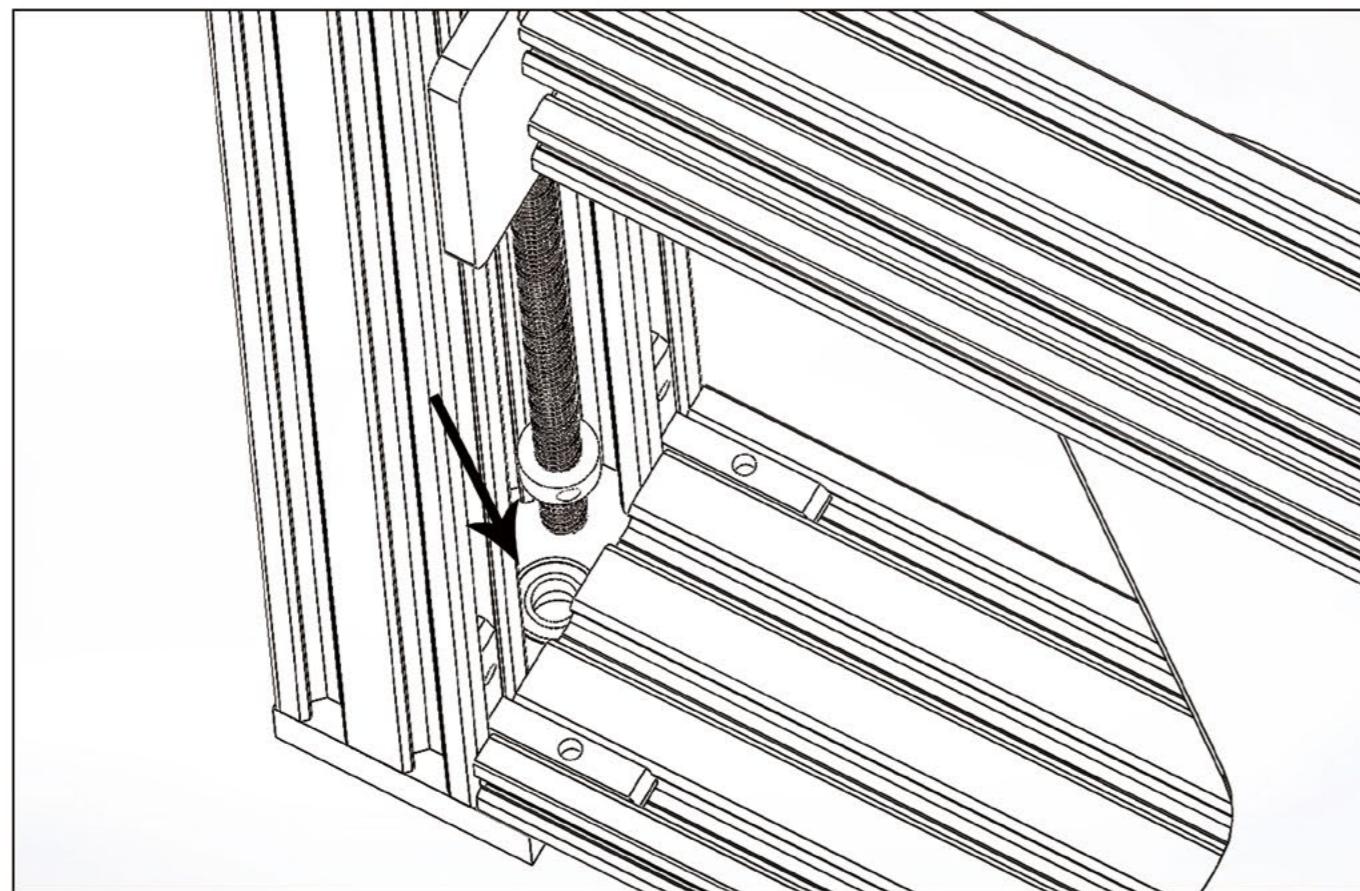
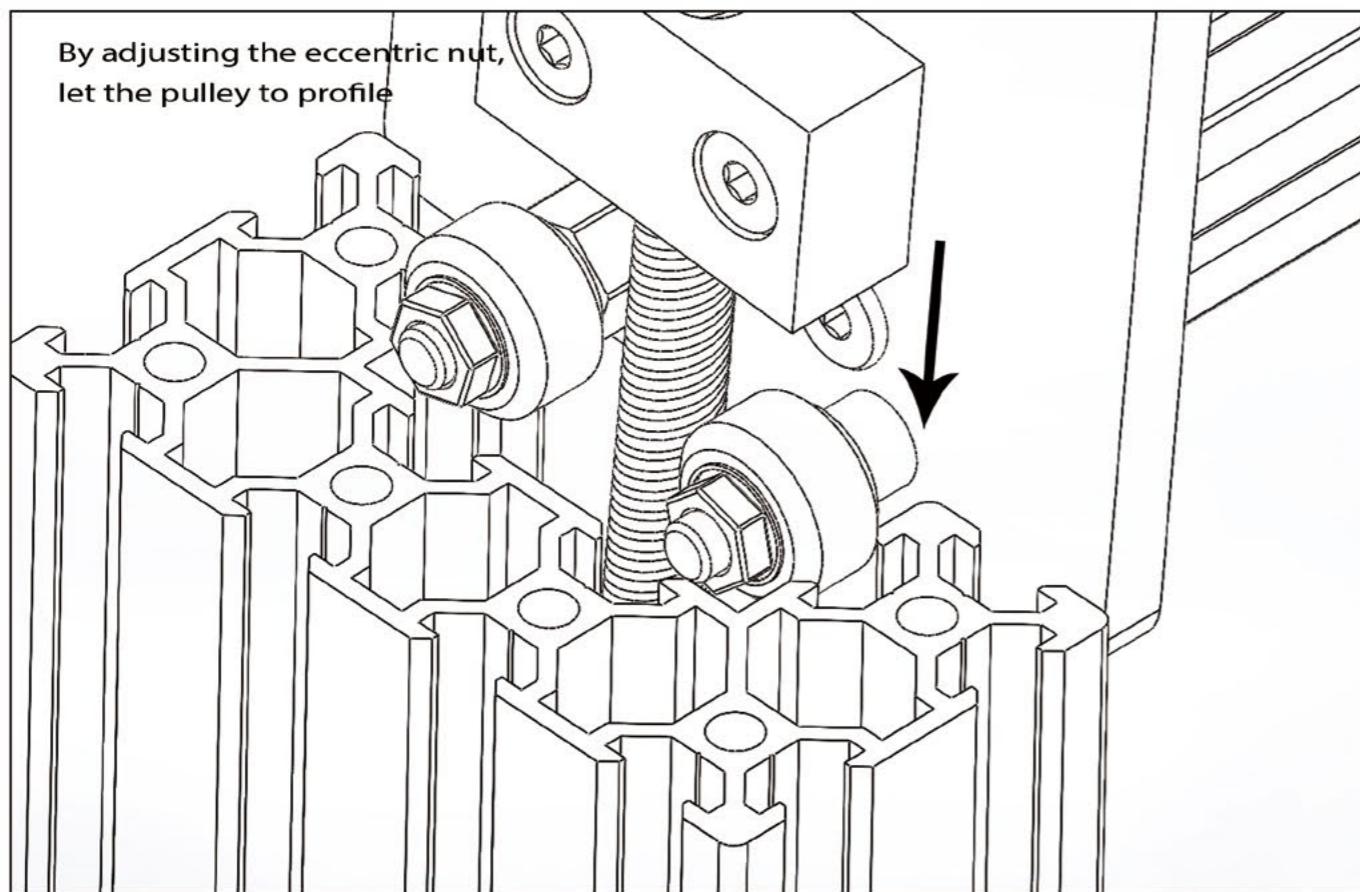
X AXIS ASSEMBLY



X AXIS ASSEMBLY



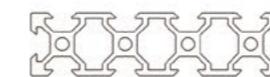
THE X AXIS ASSEMBLY INSTALLED



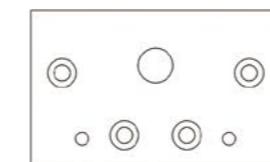
AT THE TOP OF THE SCAFFOLD



**PARTS
ARE READY**



► PROFILE 2080



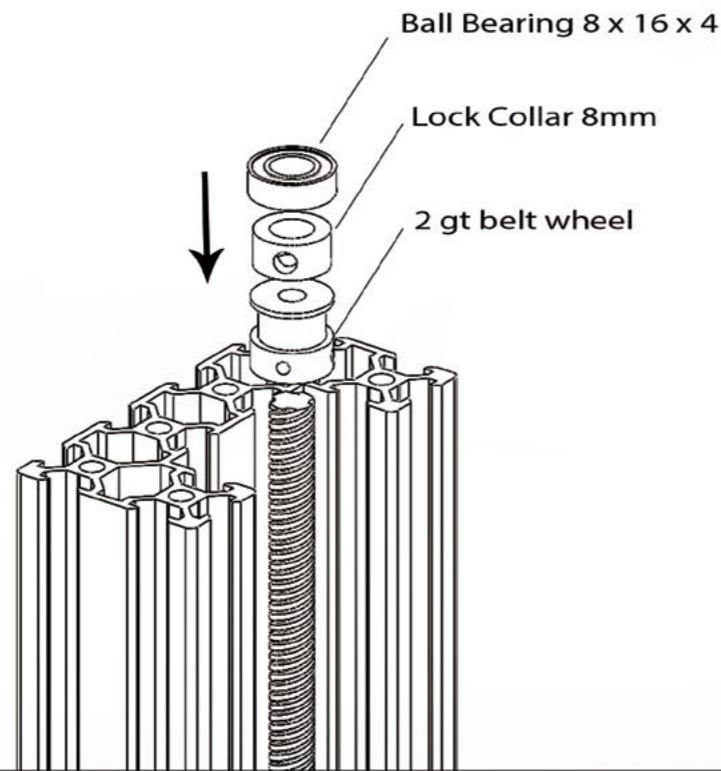
► CNC B-7
CNC B-8



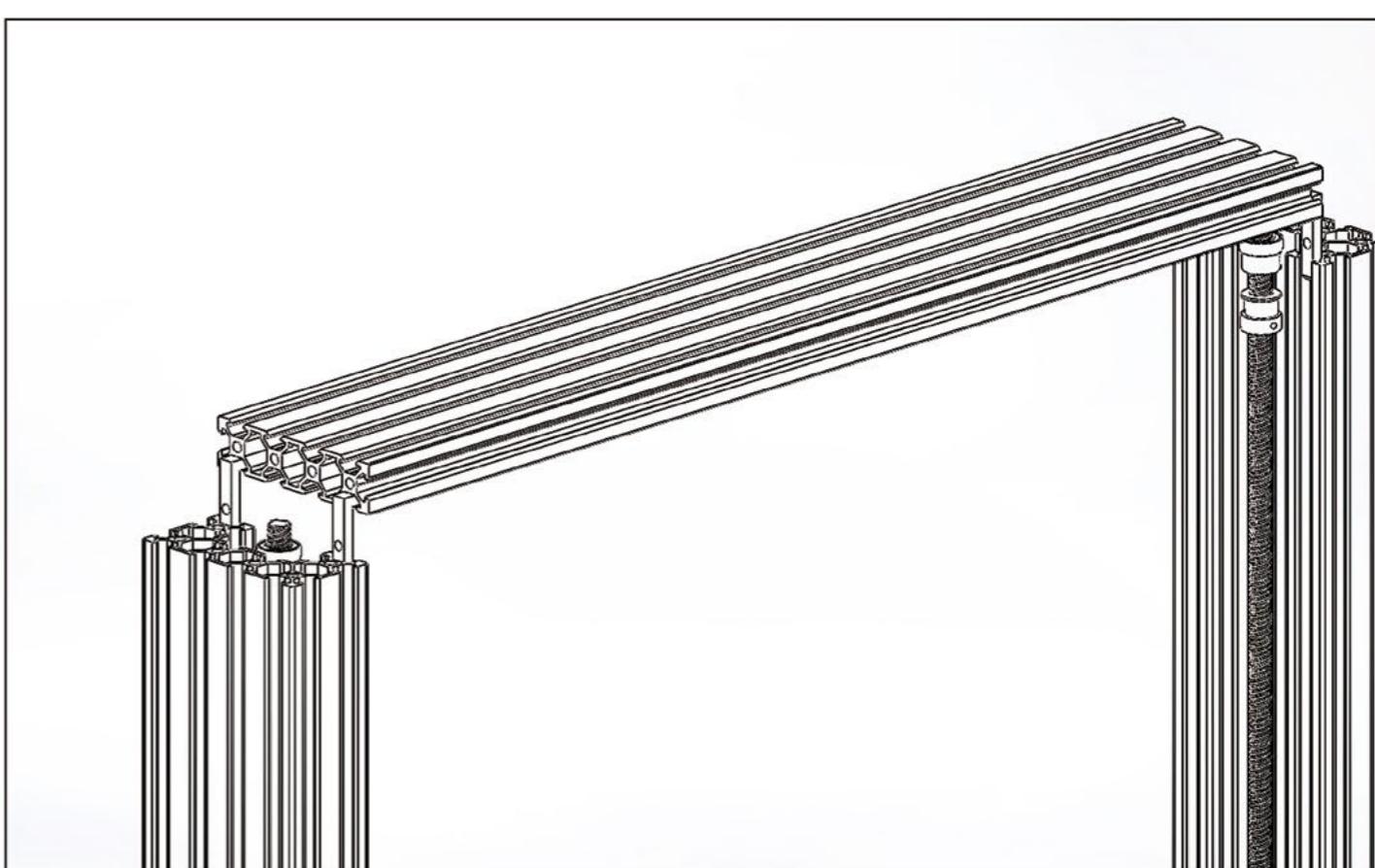
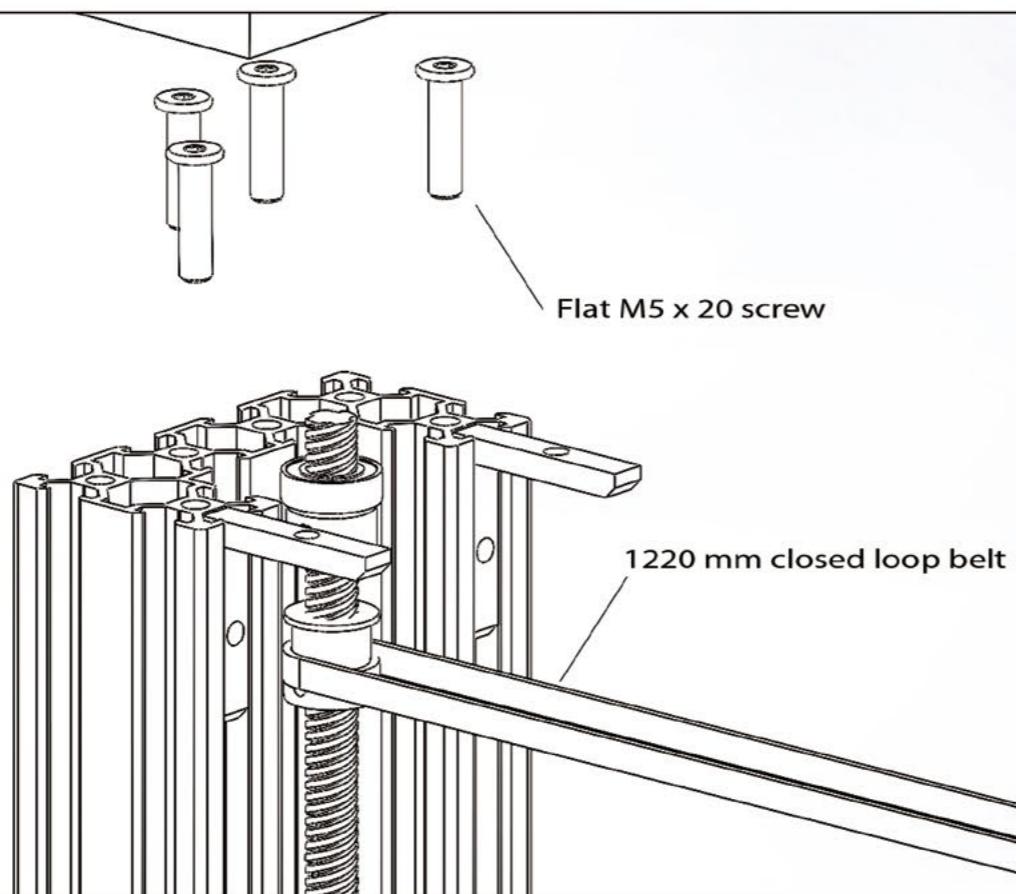
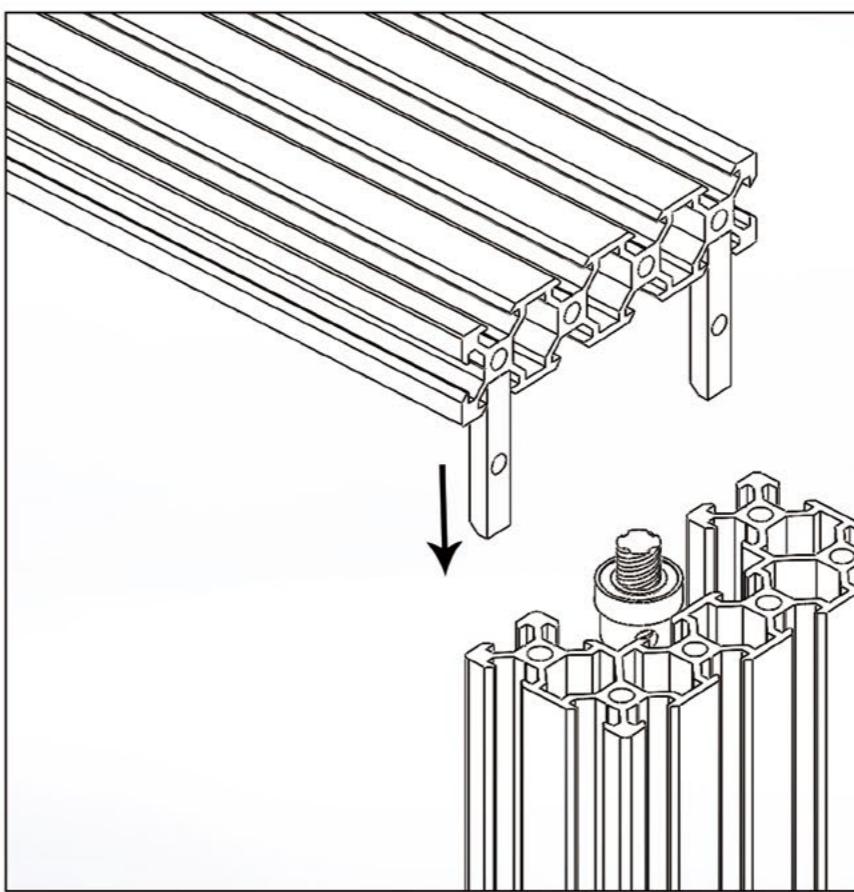
► Flat M5 x 20 screw * 8
2 gt belt wheel *2
Ball Bearing 8 x 16 x 4 *2
Lock Collar 8mm *2
Angle Bracket *4
1220 mm closed loop belt

AT THE TOP OF THE SCAFFOLD

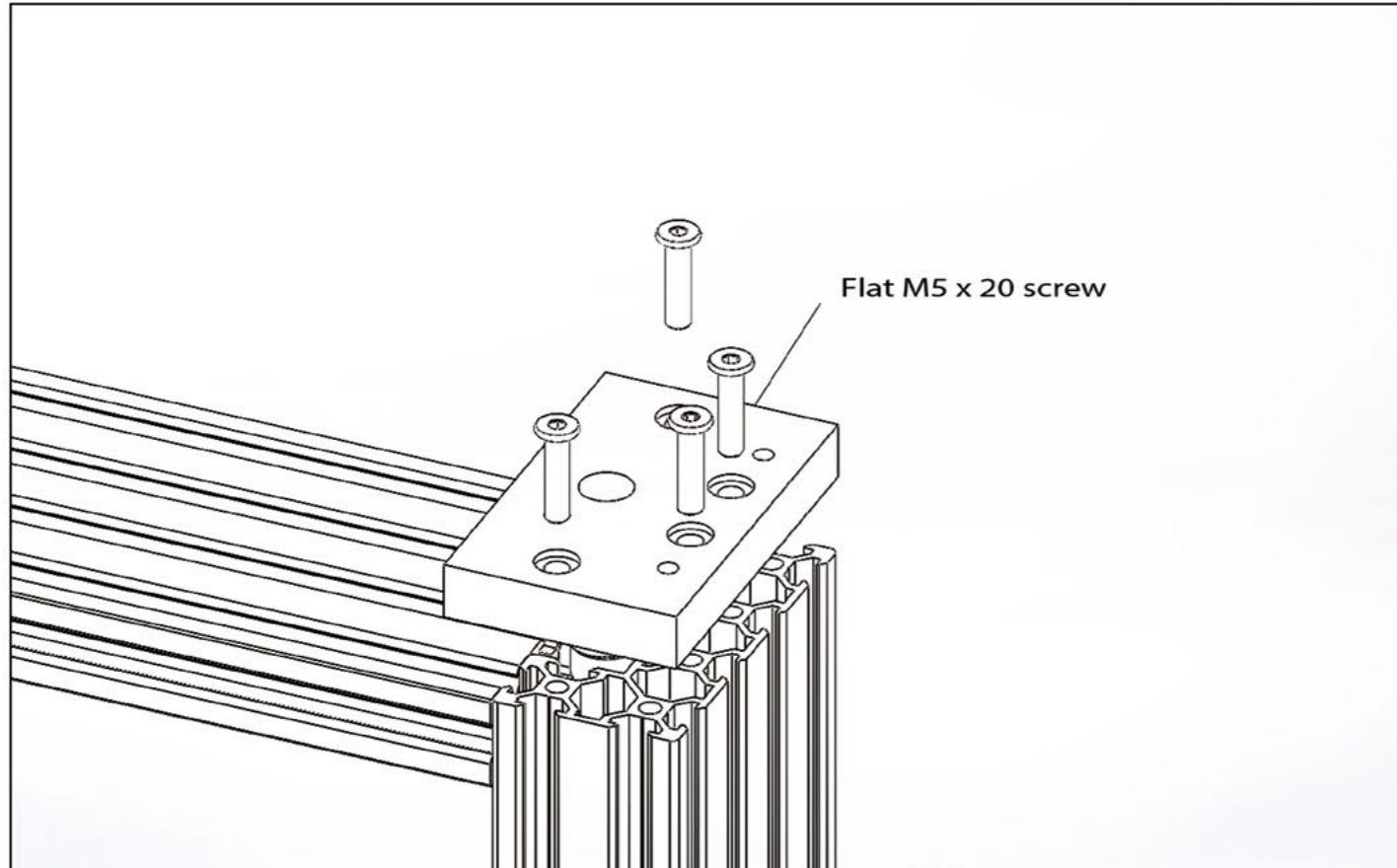
By adjusting the eccentric nut,
let the pulley to profile



AT THE TOP OF THE SCAFFOLD



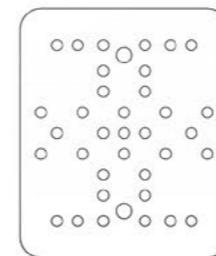
AT THE TOP OF THE SCAFFOLD



THE X AXIS INSTALLATION



**PARTS
ARE READY**

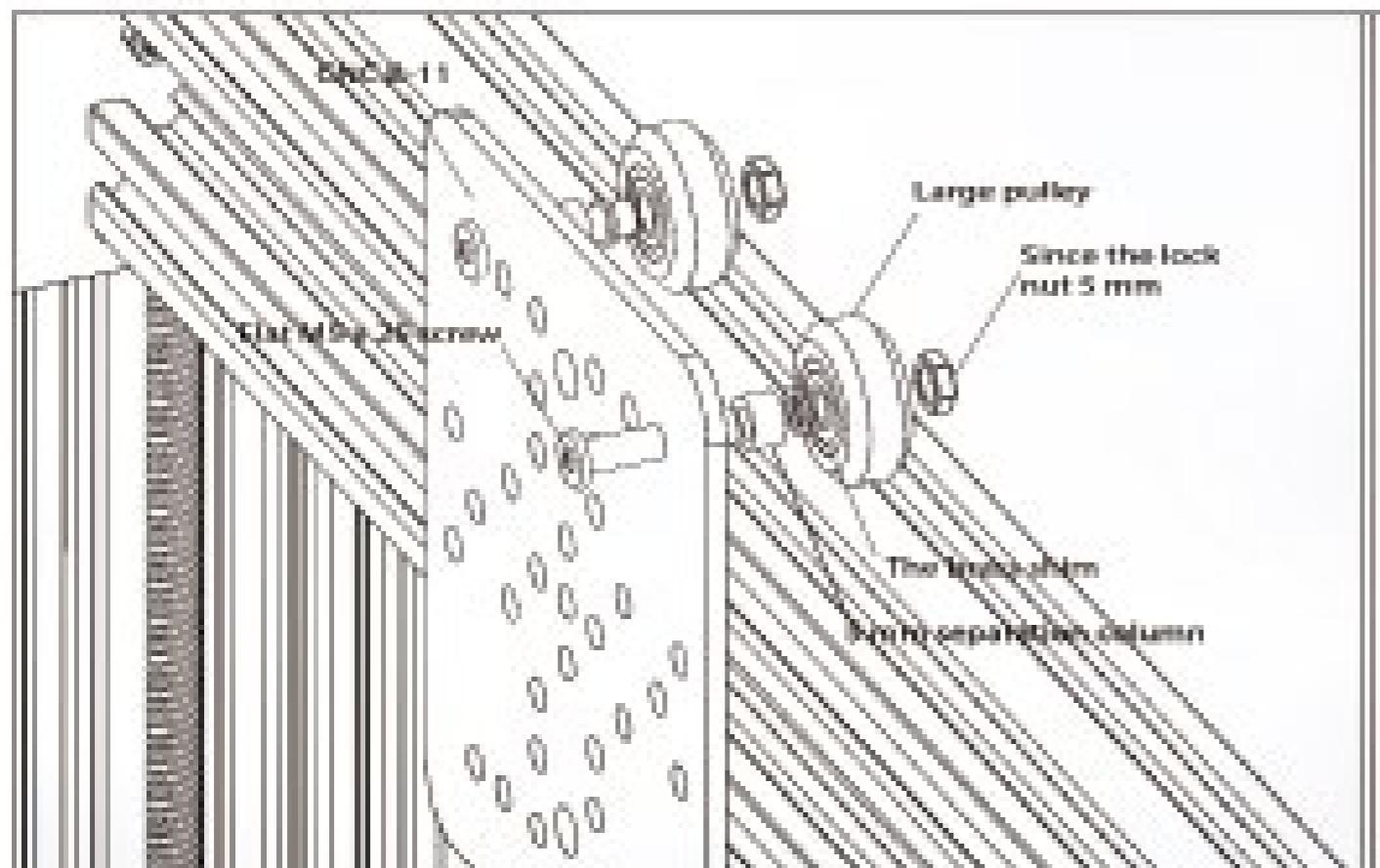


- CNC B-11
- CNC B-9
- B-22
- B-18

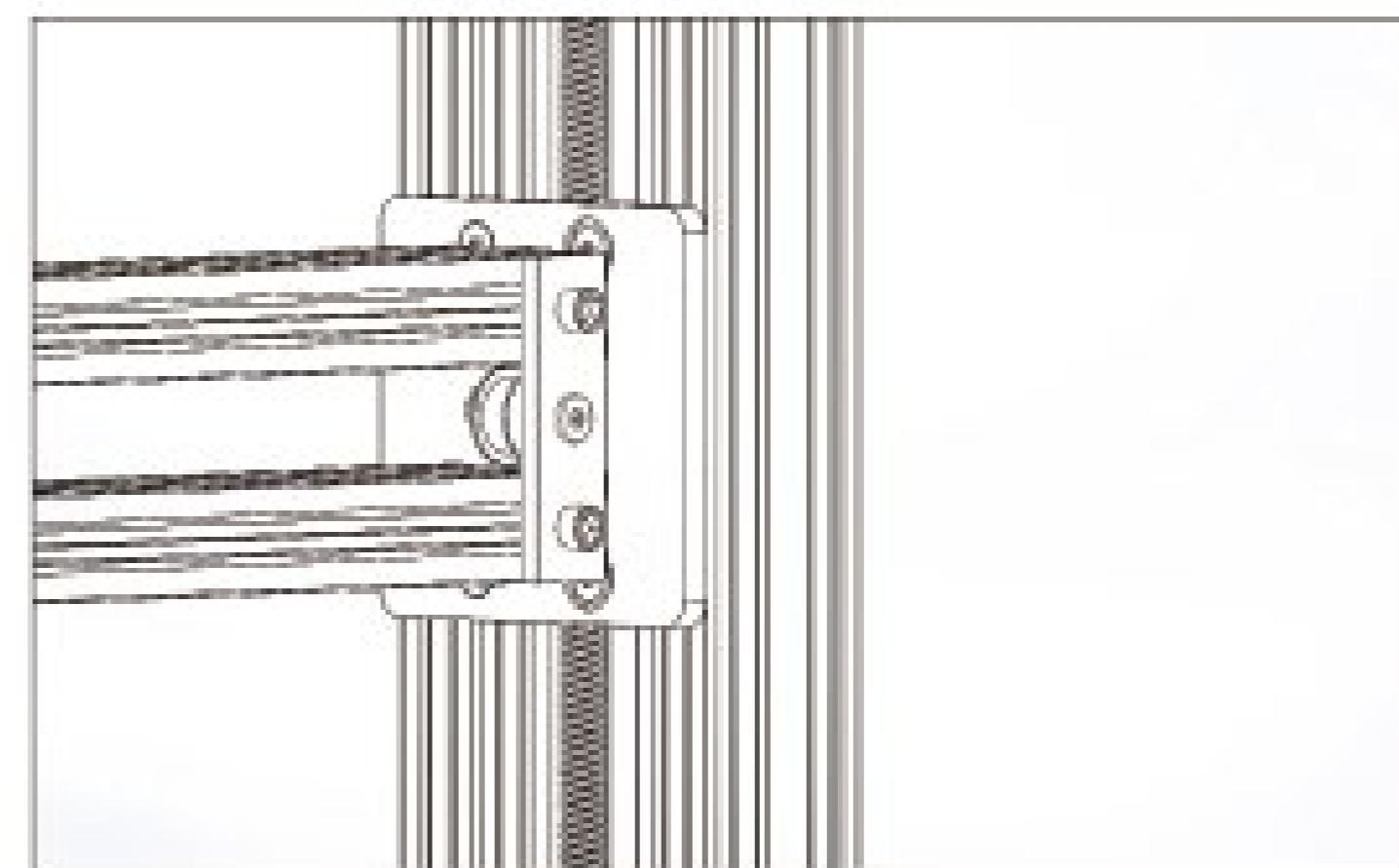
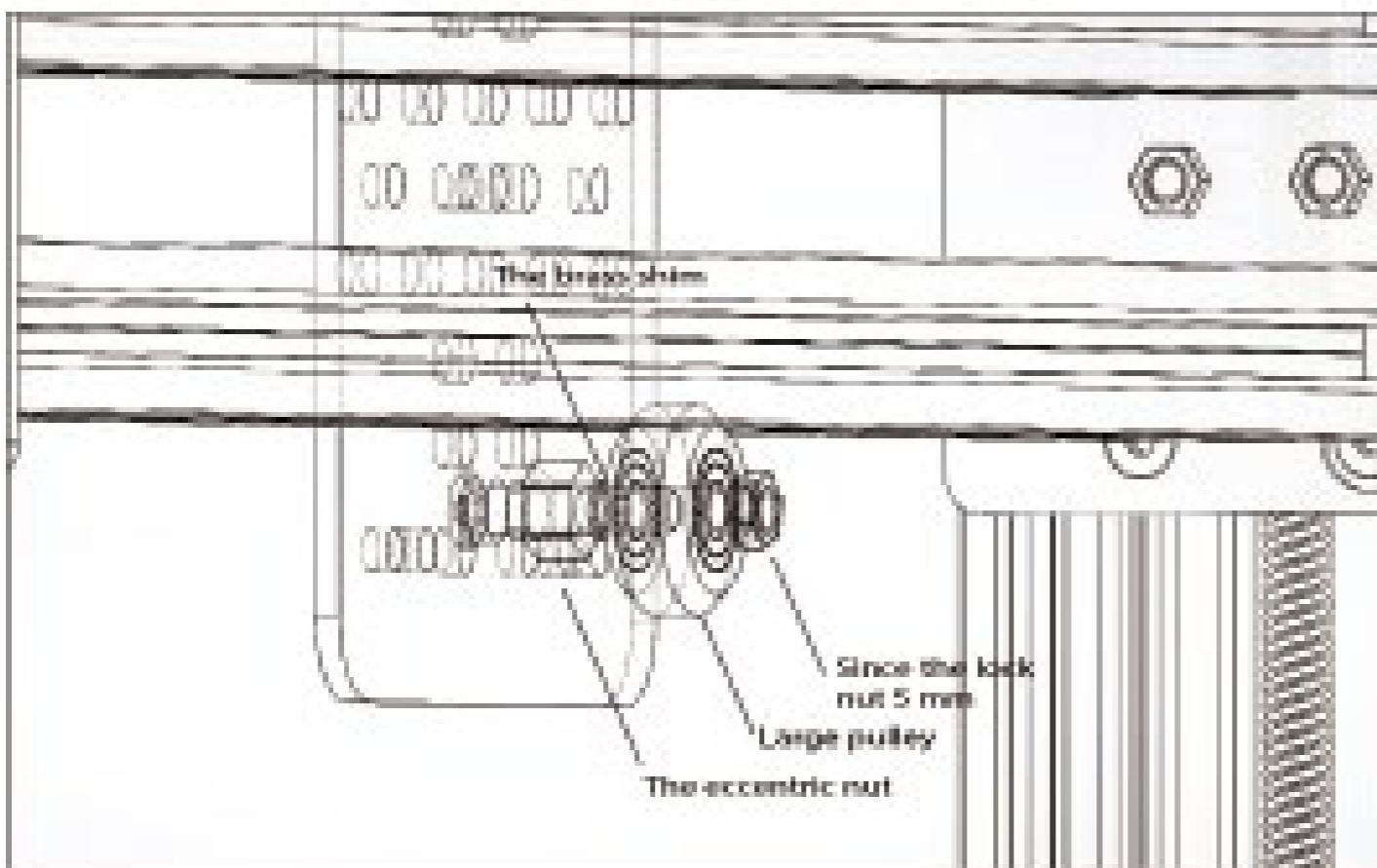
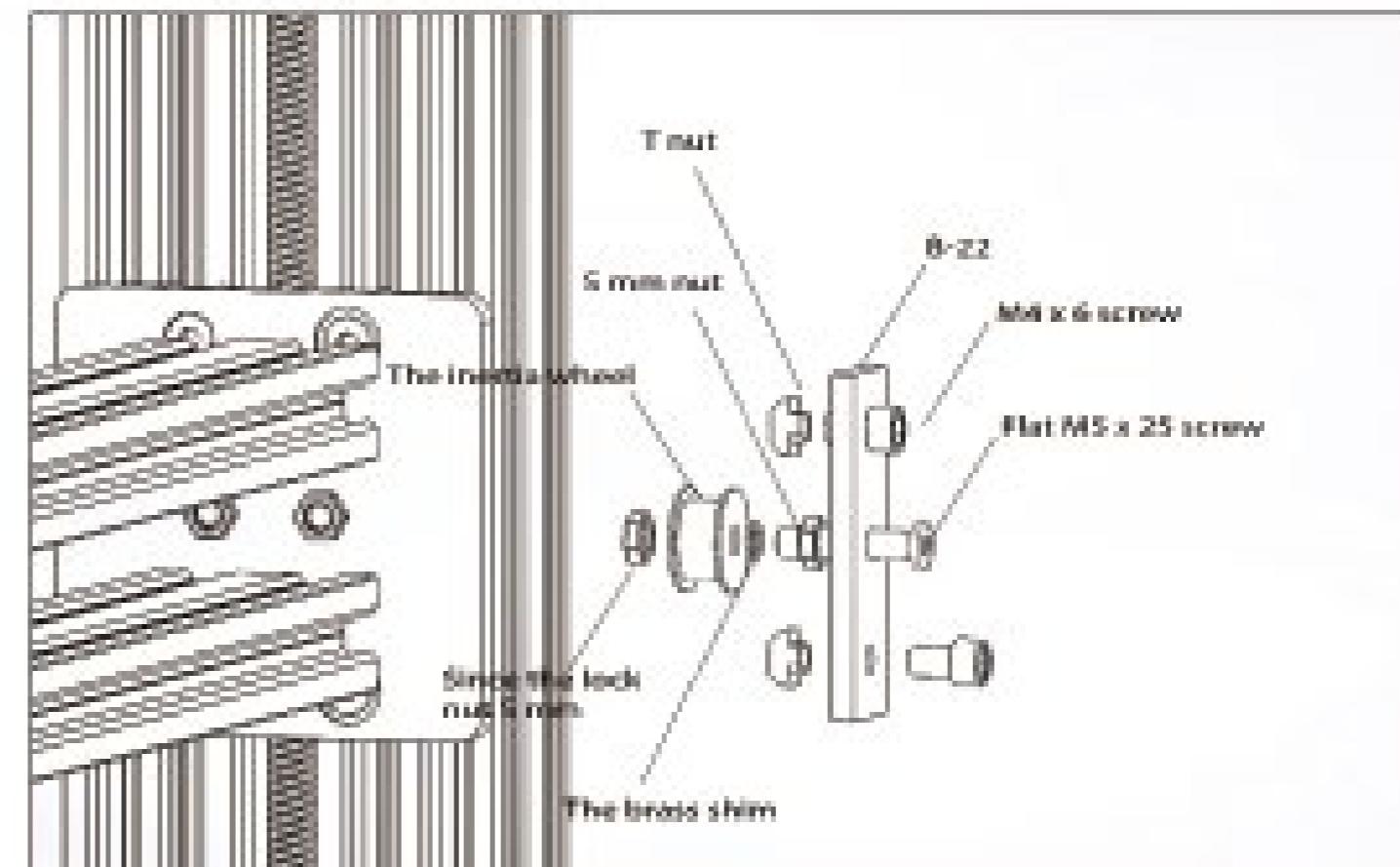


- Flat M5 x 25 screw * 3
- Flat M5 x 15 screw * 6
- M3 x 6 screw * 4
- M4 x 6 * 4
- M3 x 8 * 4
- 5 mm separation column * 6
- Nylon nut 5 mm * 4
- Lock Collar 8mm * 2
- Brass shim * 4
- Large pulley * 3
- Eccentric nut * 1
- T nut * 6
- Inertia wheel * 1

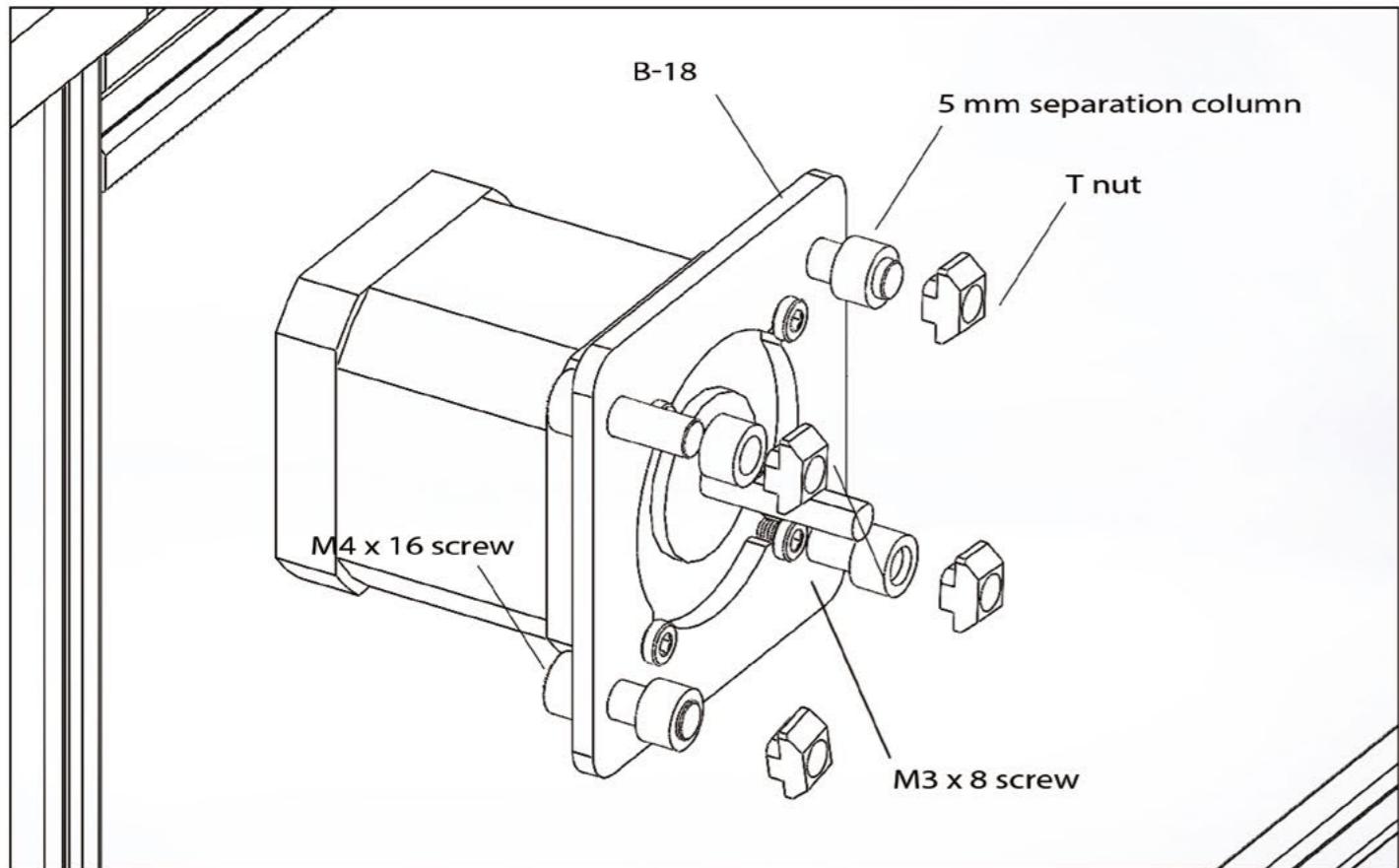
THE X AXIS INSTALLATION



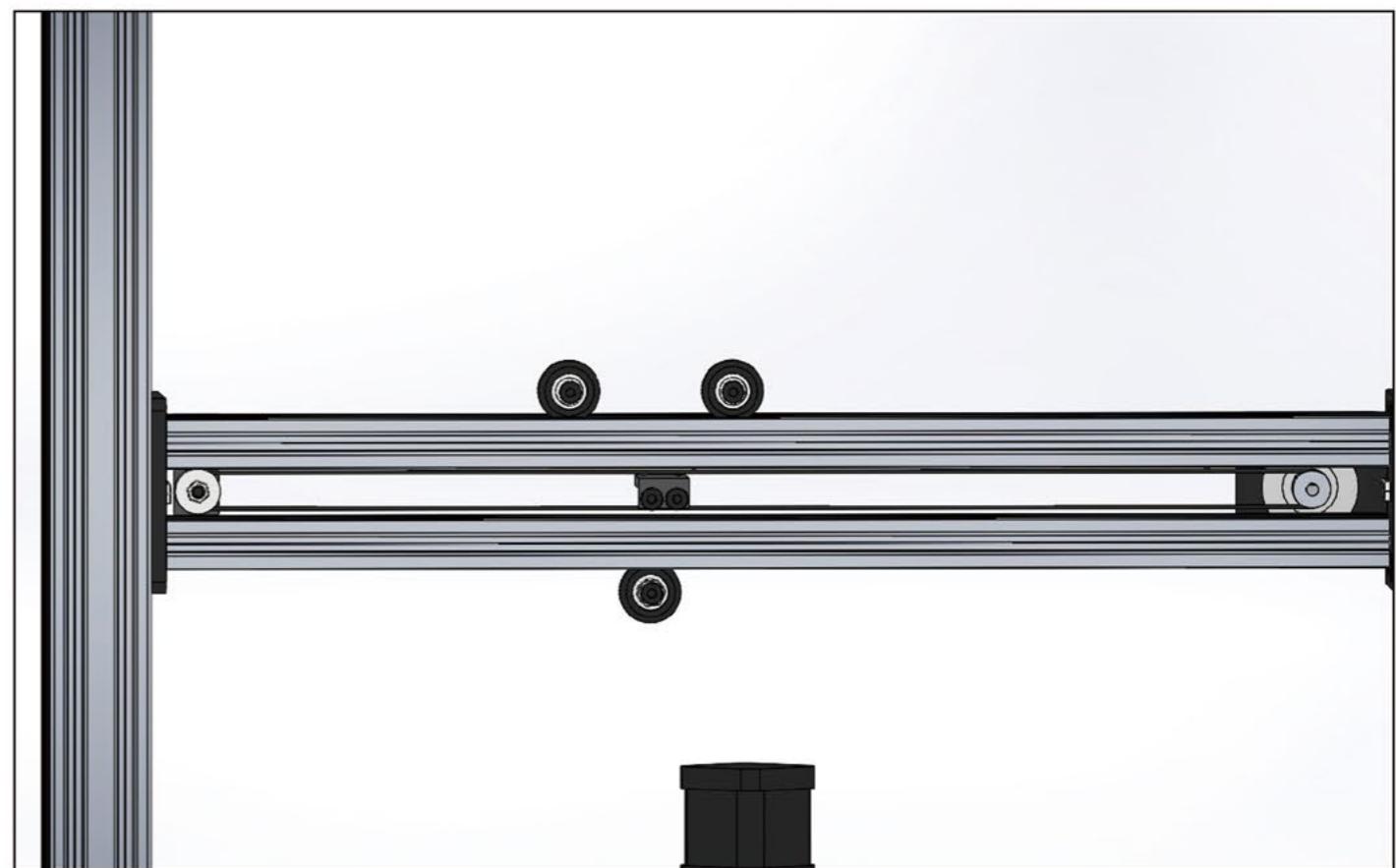
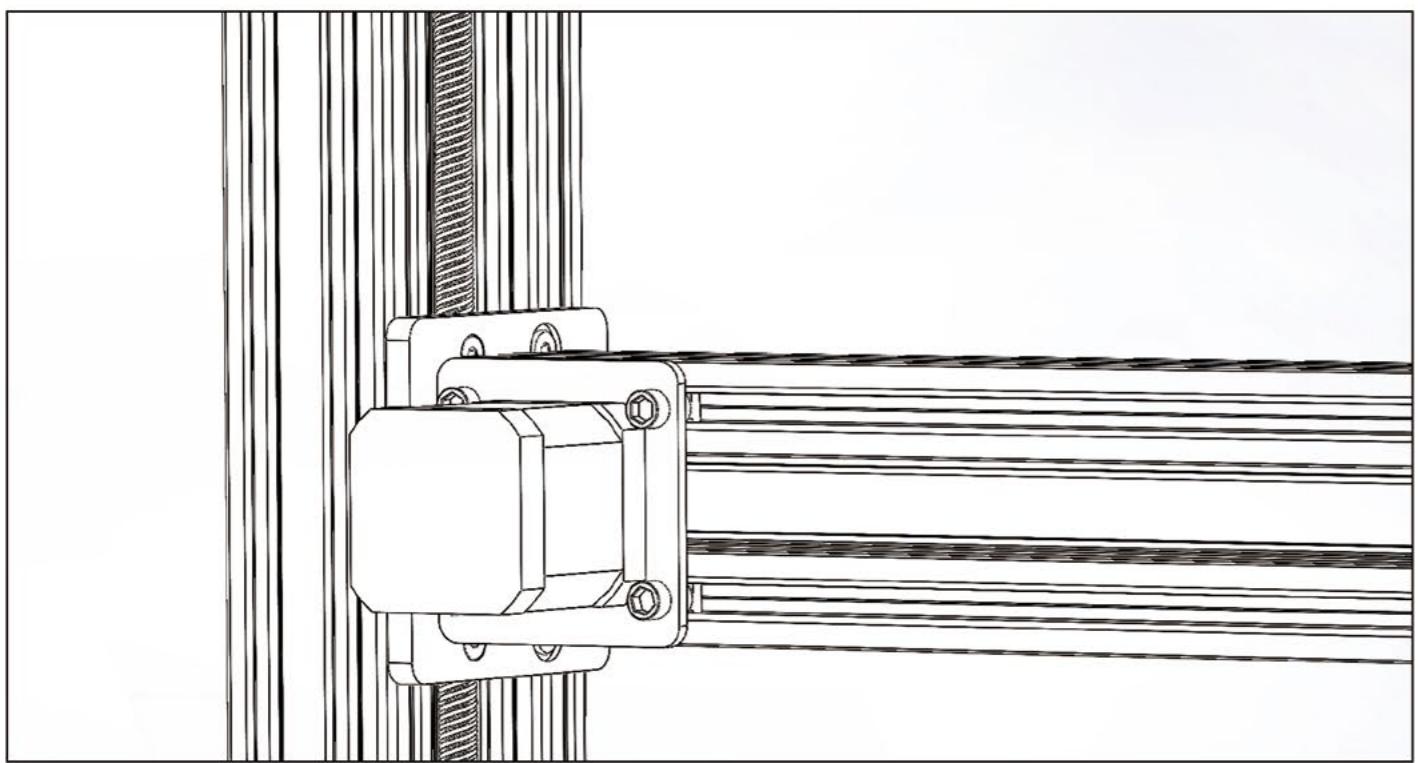
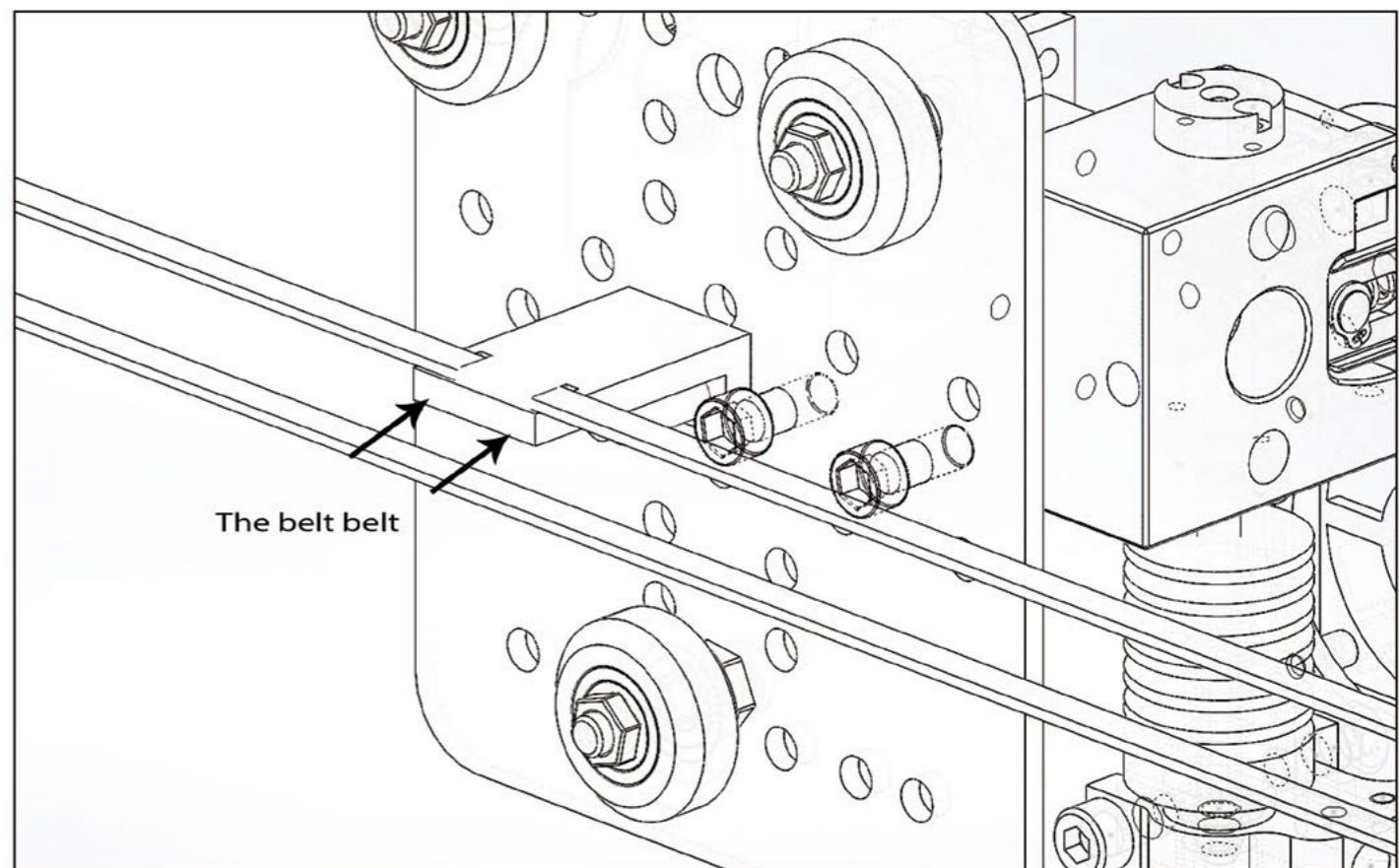
THE X AXIS INSTALLATION



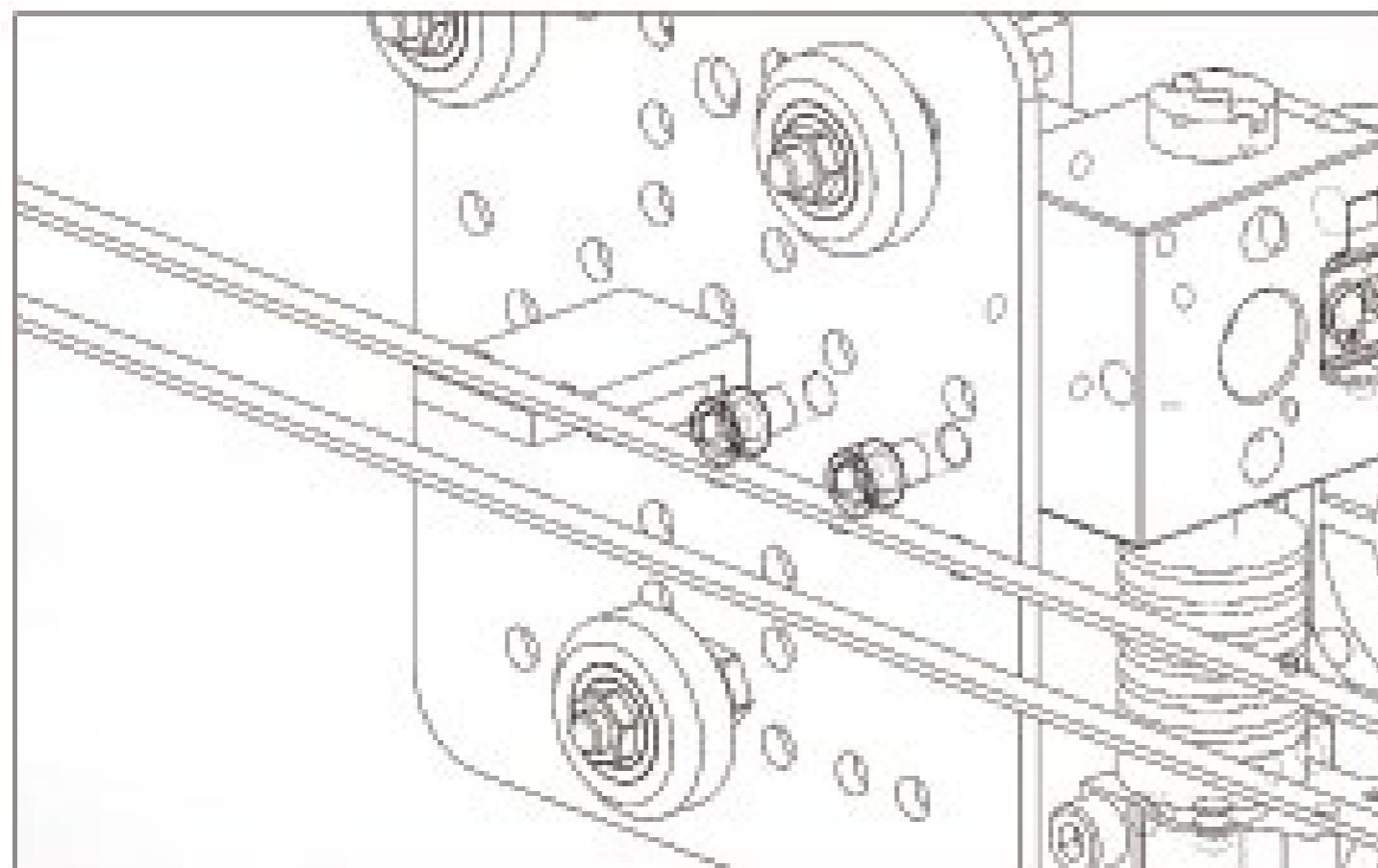
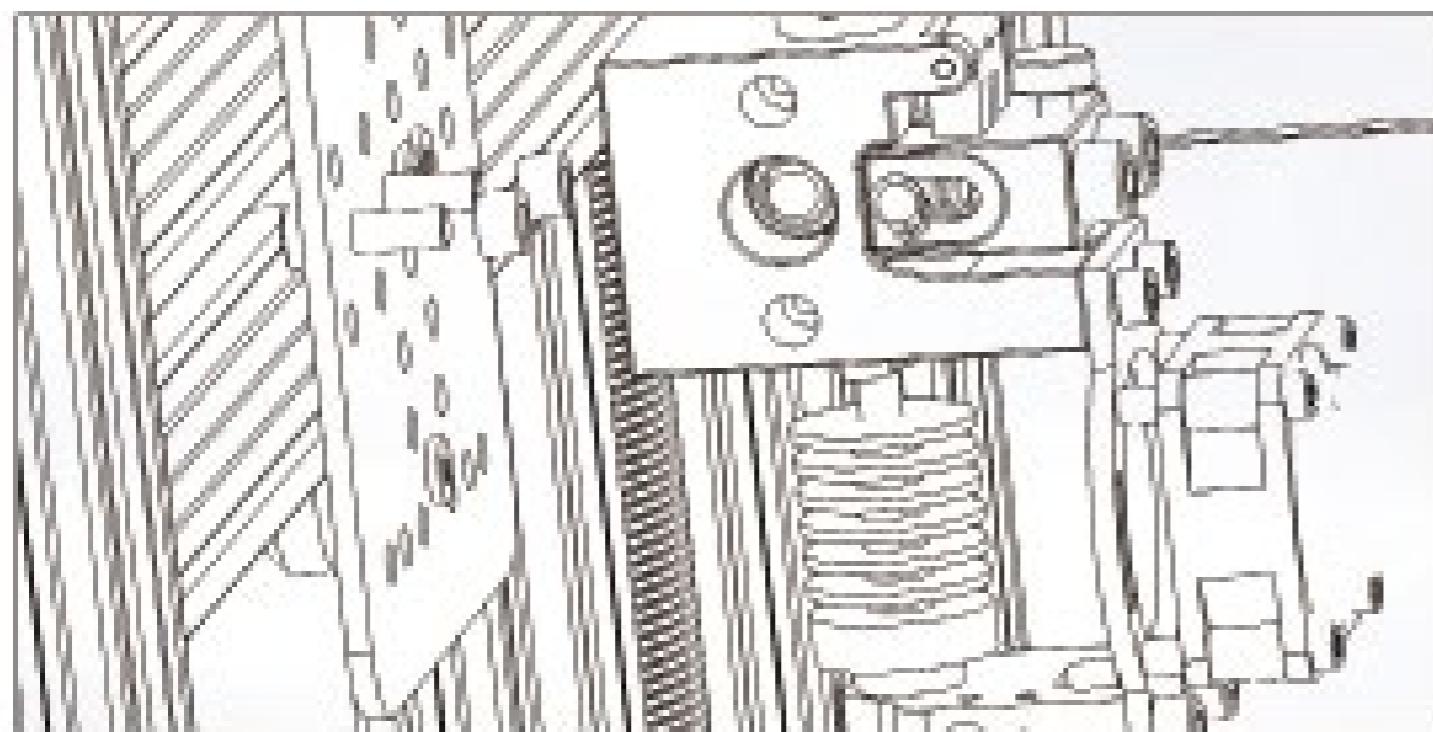
THE X AXIS INSTALLATION



THE X AXIS INSTALLATION



THE X AXIS INSTALLATION



EXTRUDER IN EXTRUDER BOX FIXED COMPONENTS

Z AXIS TRANSMISSION SET OF INSTALLATION



► CNC B-12

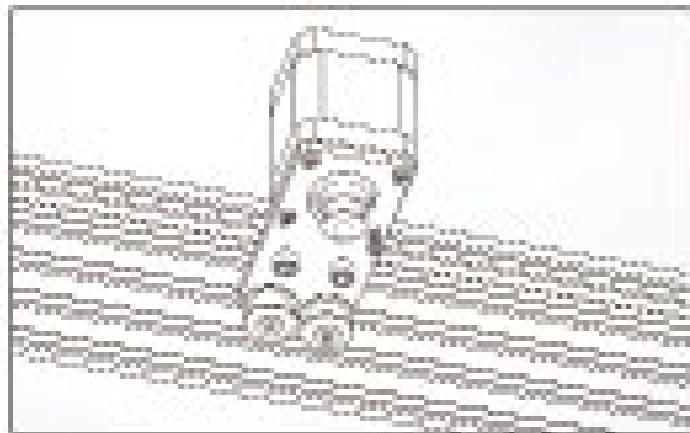
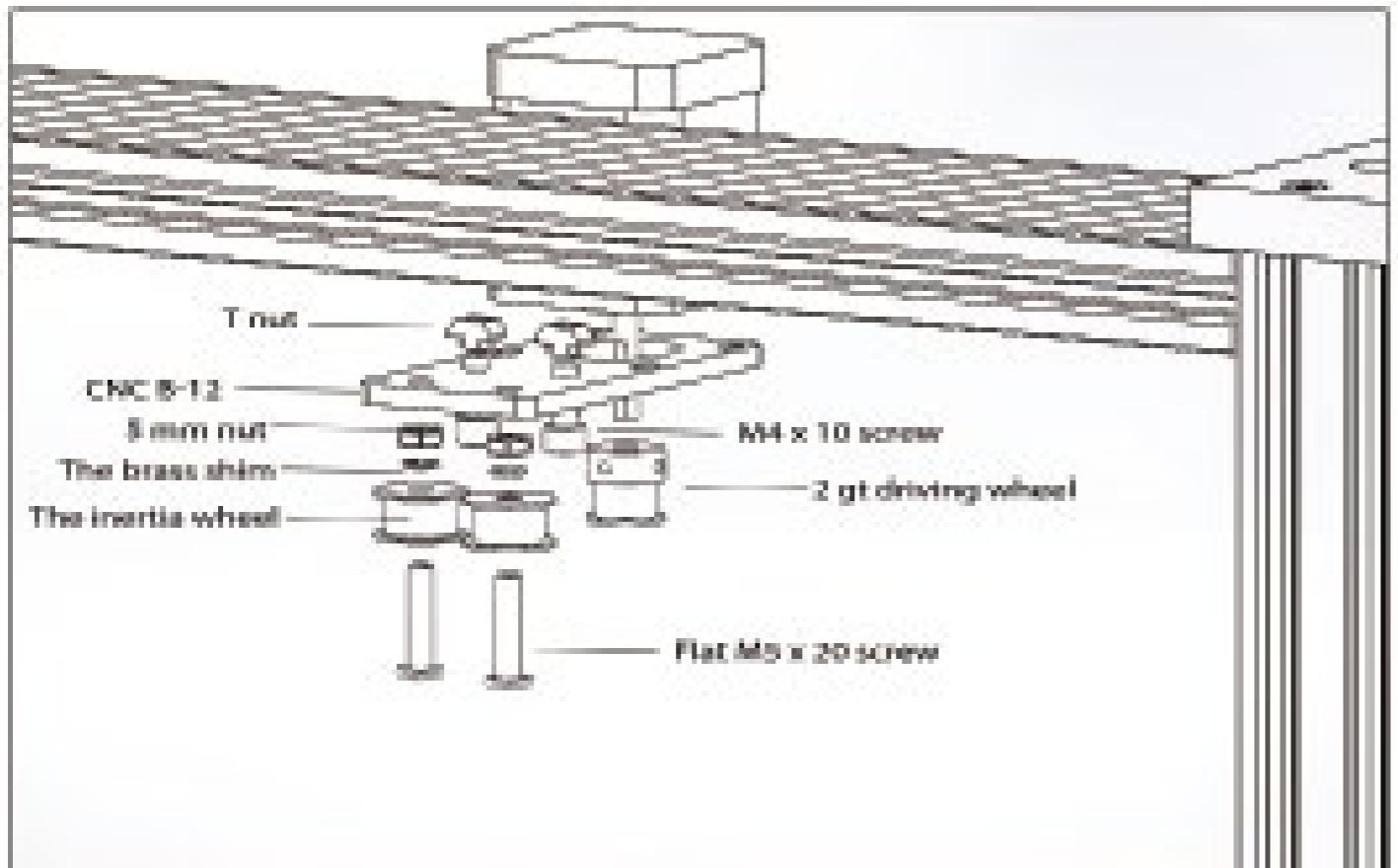


- Flat M3 x 20 screw * 2
- M4 x 10 screw * 2
- The brass shim * 2
- 5 mm nut * 2
- T nut * 2
- The inertia wheel * 2
- 2 gt driving wheel
- M3 x 8 screw * 4



**PARTS
ARE READY**

Z AXIS TRANSMISSION SET OF INSTALLATION



INSTALL THE HOT BED



**PARTS
ARE READY**

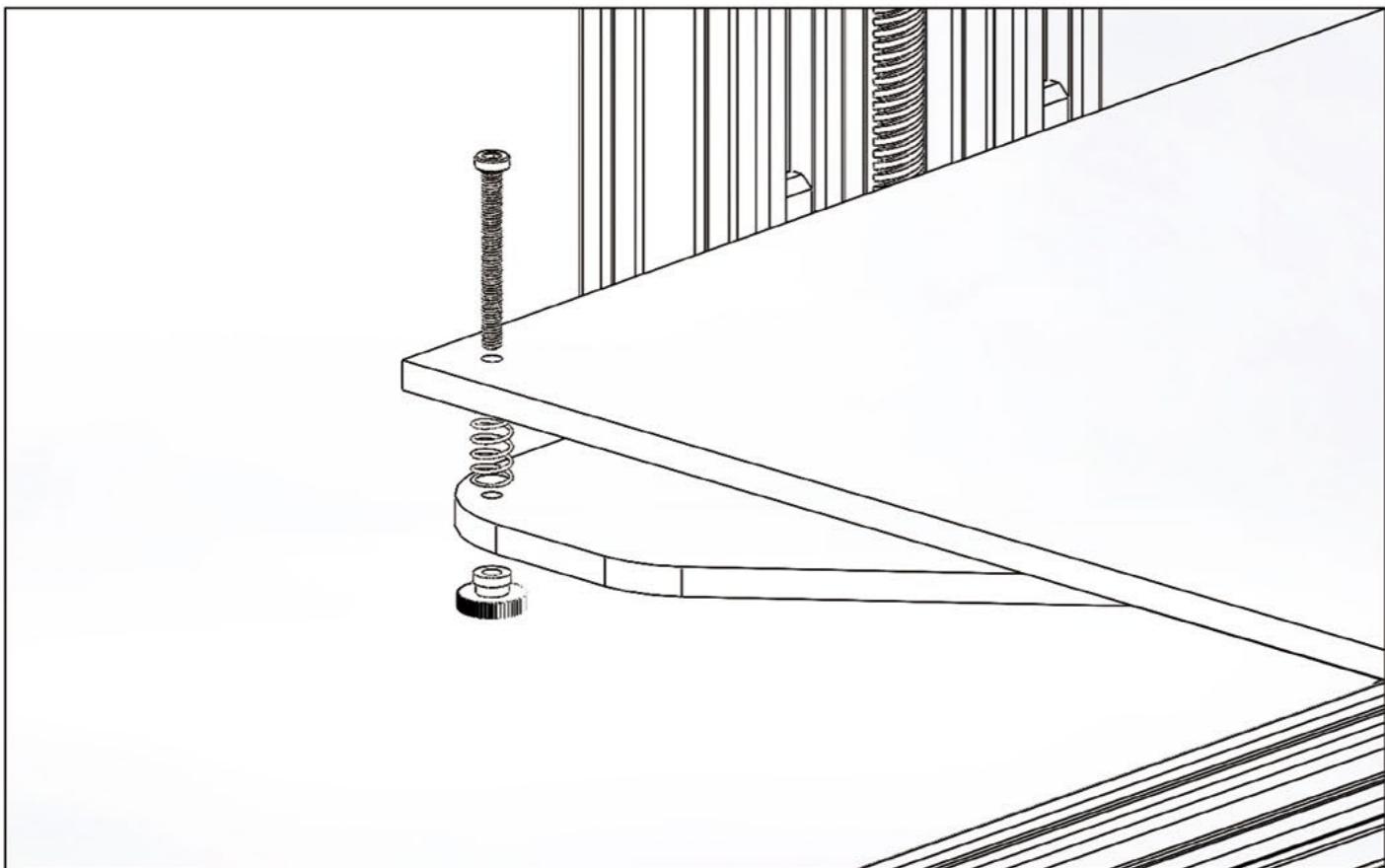


HOT BED



Hot bed mounting screws group

INSTALL THE HOT BED



DRAG CHAIN INSTALLATION



PARTS
ARE READY

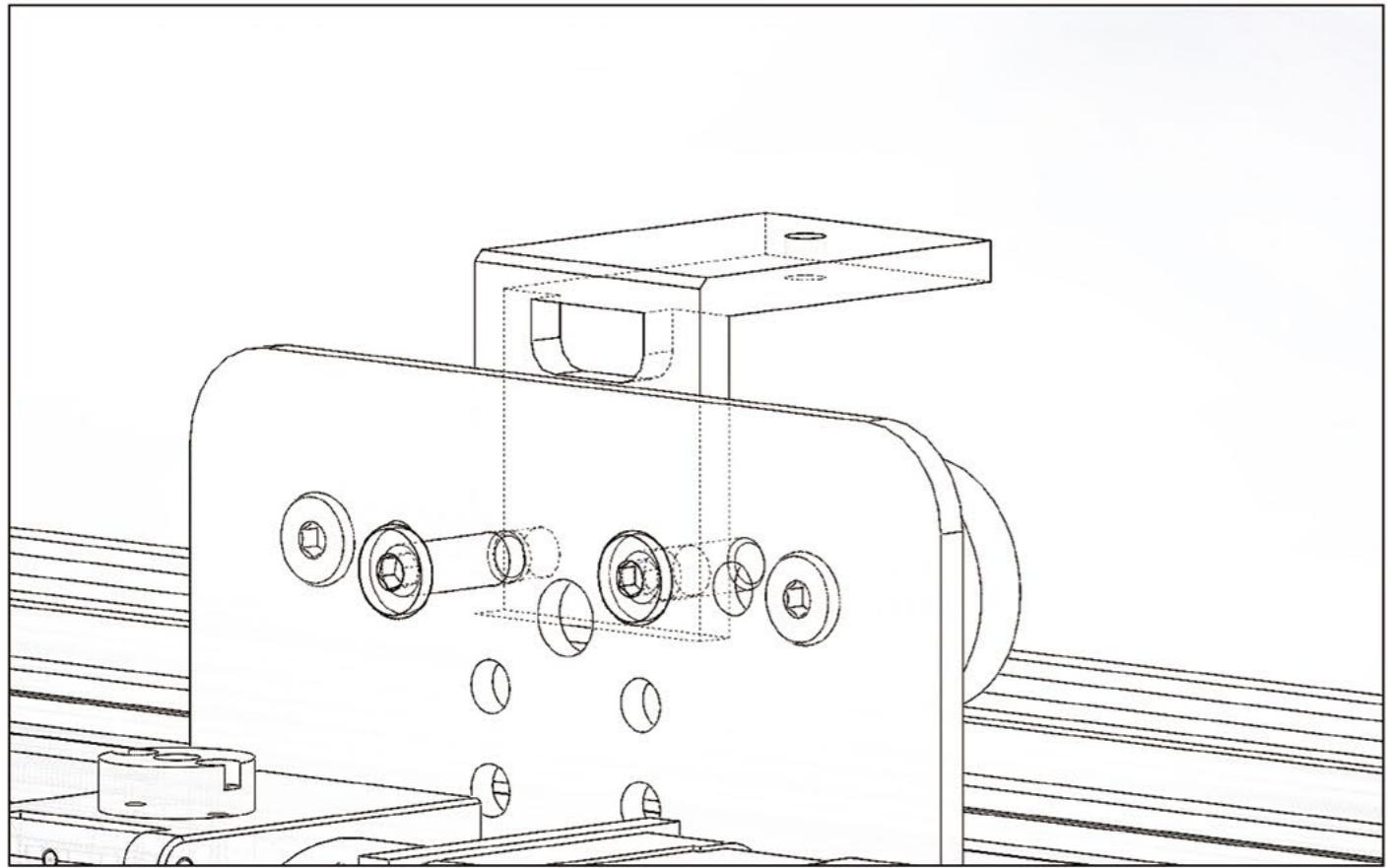


CNC B-21
CNC B-23

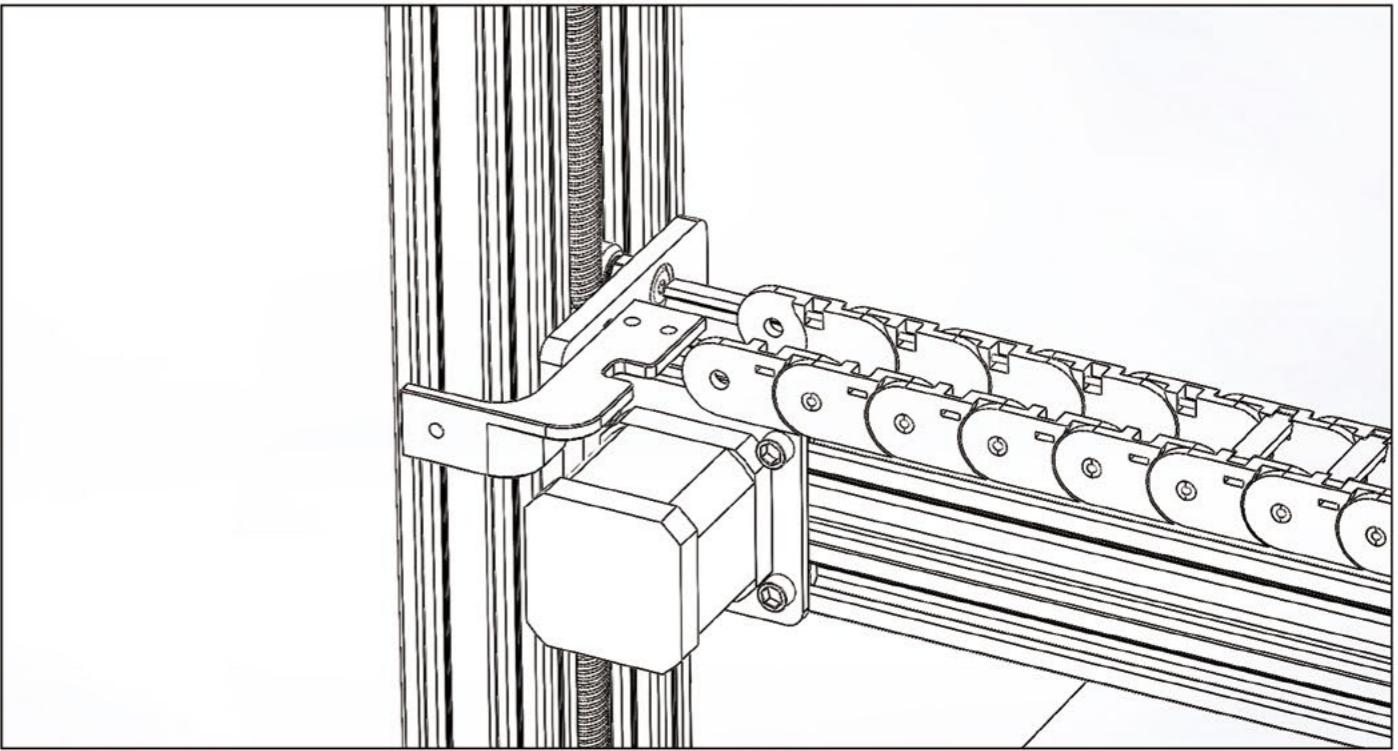


Drag chain
Drag chain screw fixation group

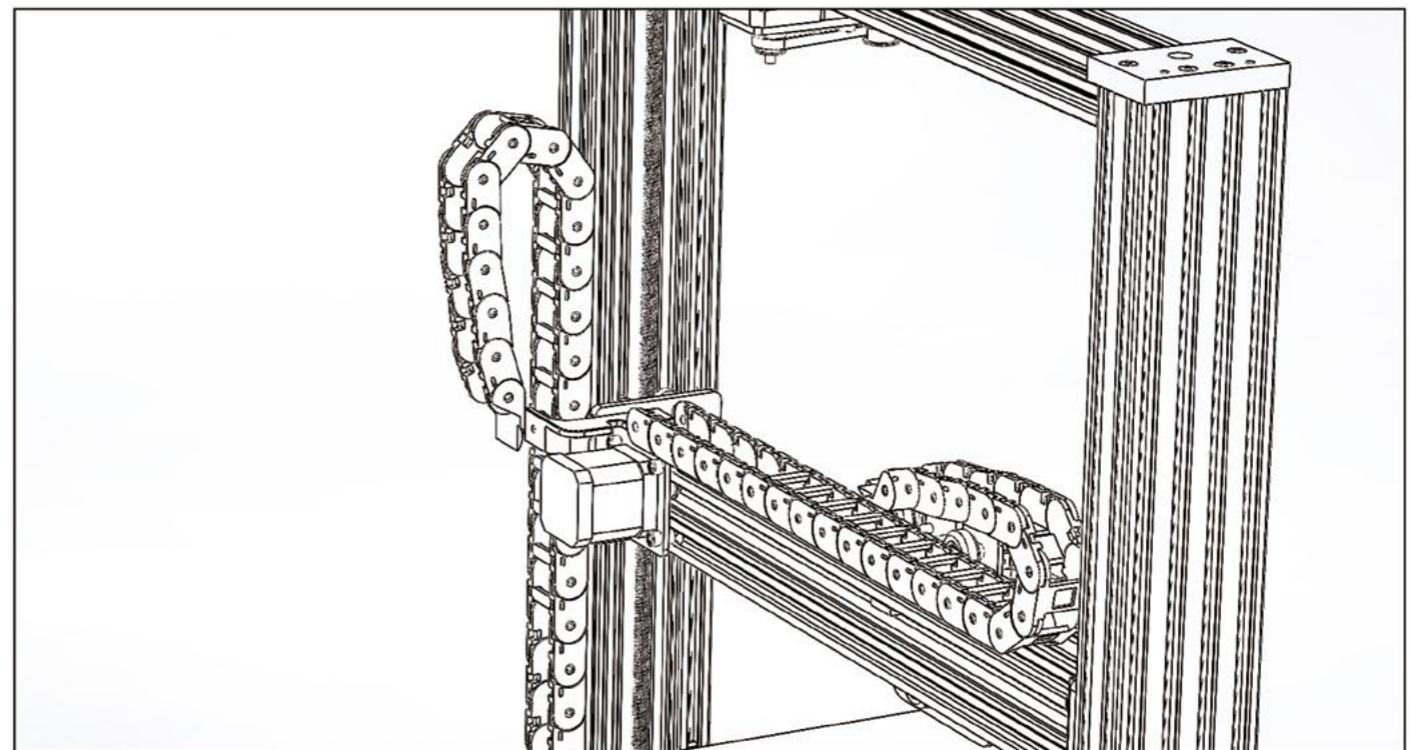
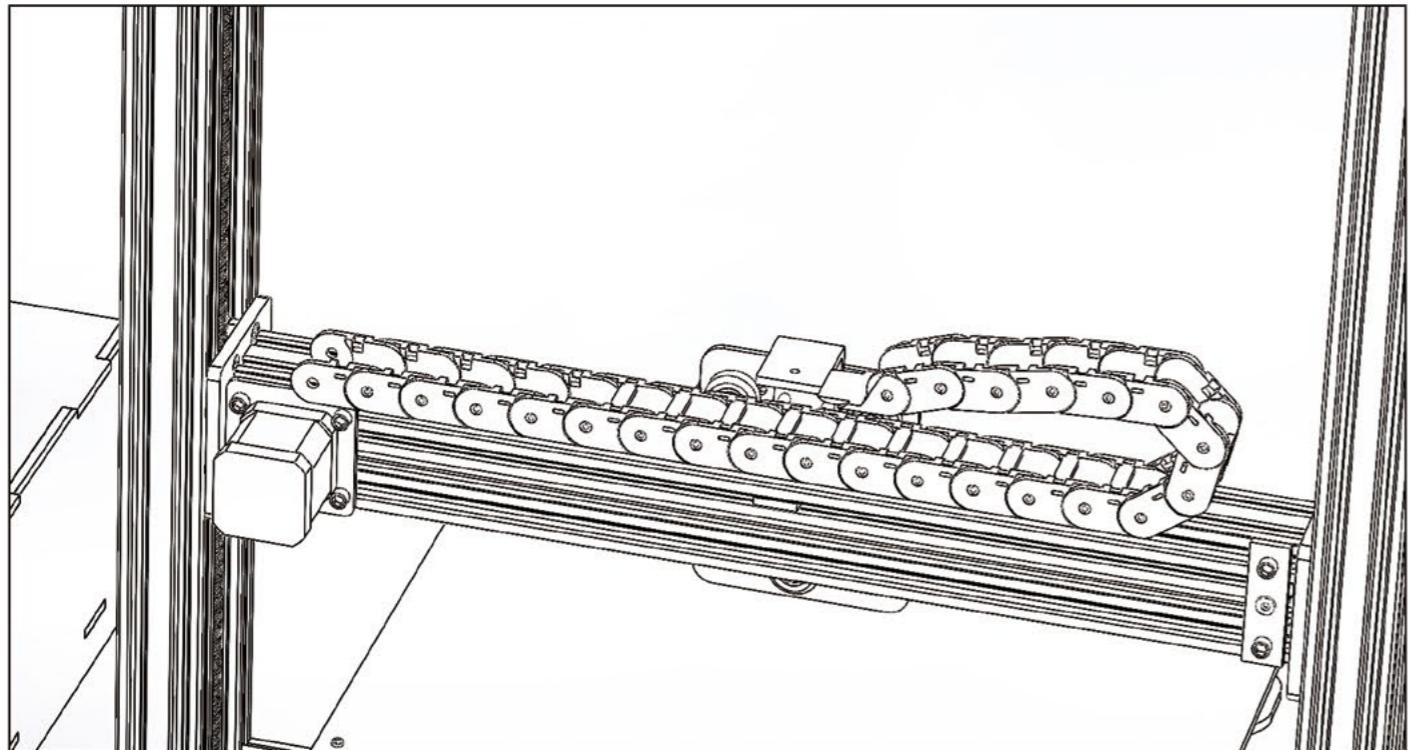
DRAG CHAIN INSTALLATION



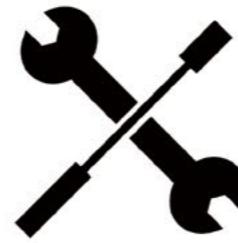
DRAG CHAIN INSTALLATION



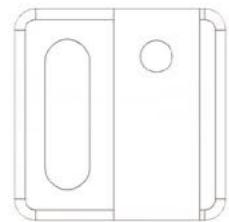
AS SHOWN IN FIGURE POSITION TO INSTALL



LIMIT THE INSTALLATION



PARTS
ARE READY

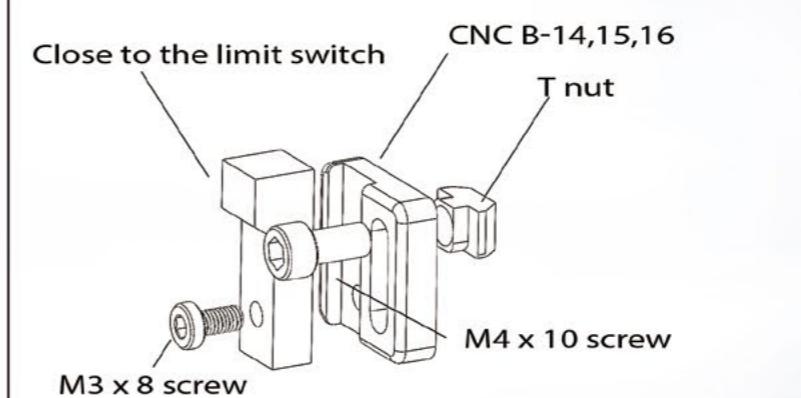


► CNC B-14,15,16

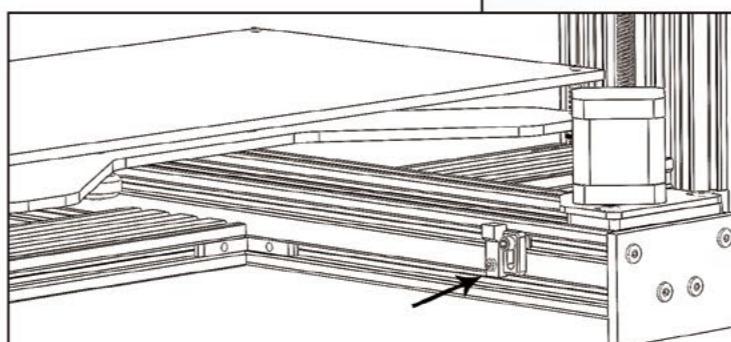


► Close to the limit switch * 3
T nut * 3
M4 x 10 screw * 3
M3 x 8 screw * 3

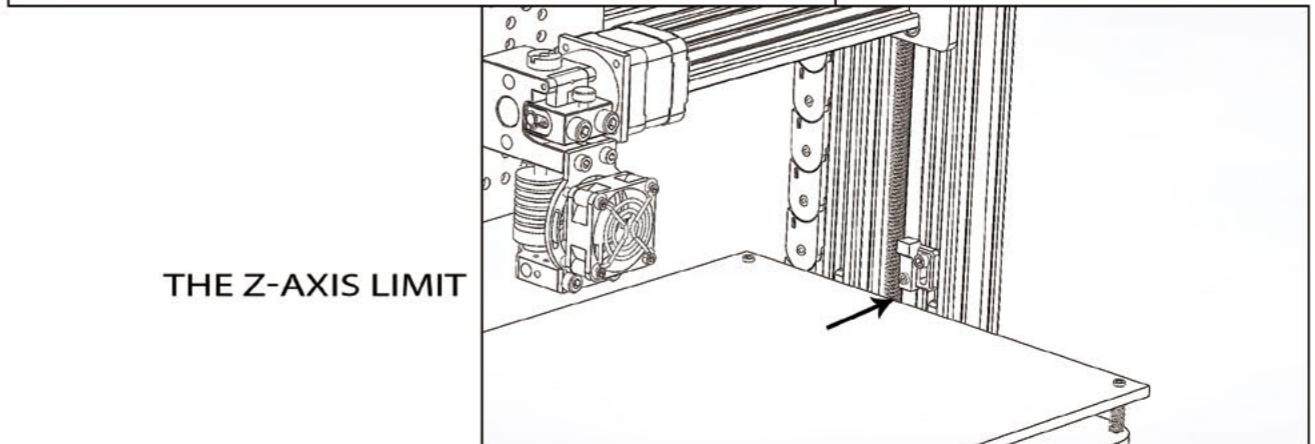
LIMIT THE INSTALLATION



THE X-AXIS LIMIT



THE Y-AXIS LIMIT

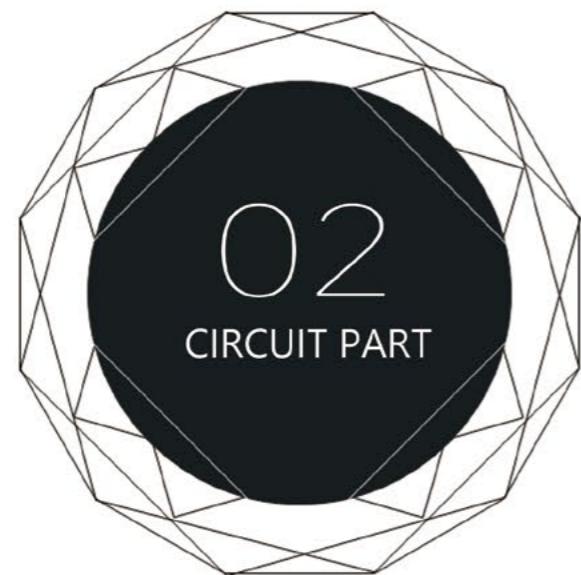


THE Z-AXIS LIMIT

CONTROL BOX INSTALLATION

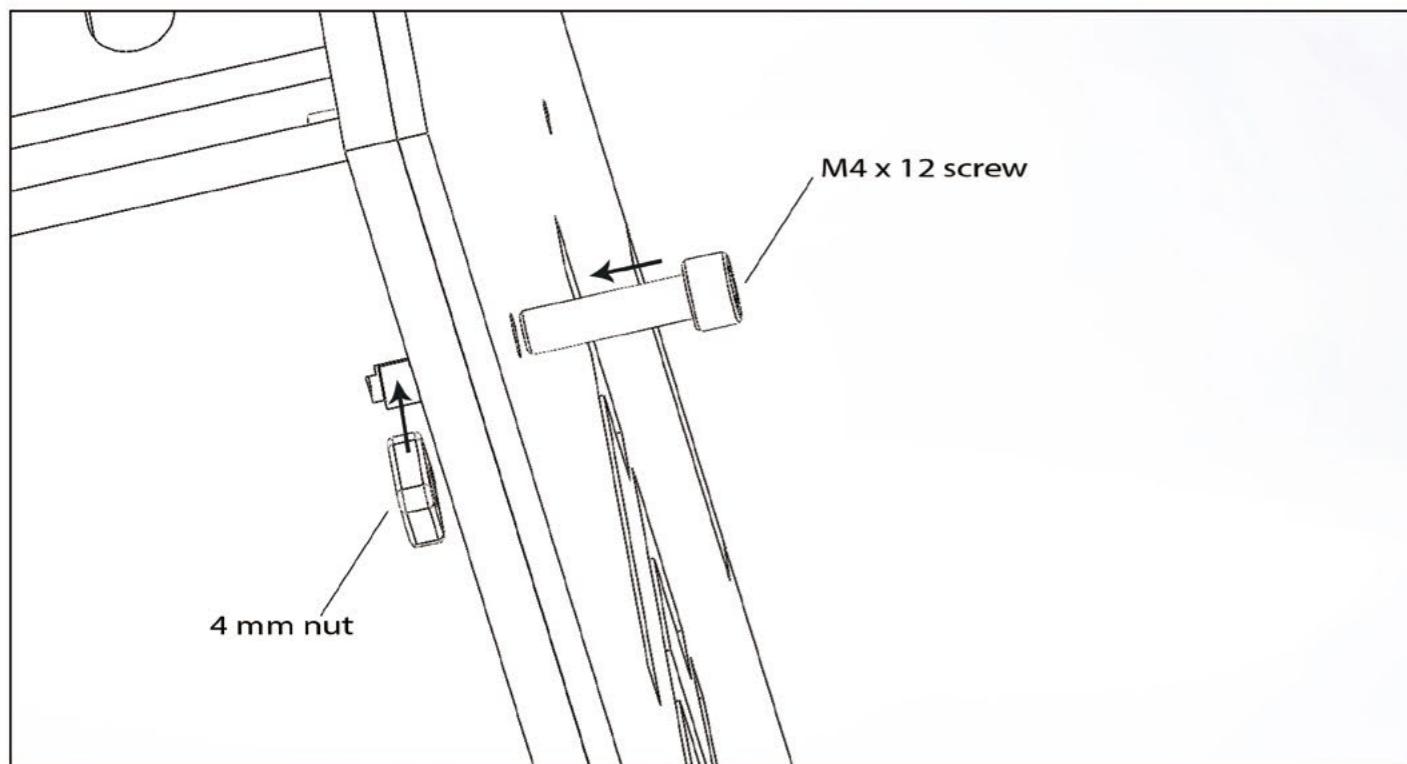
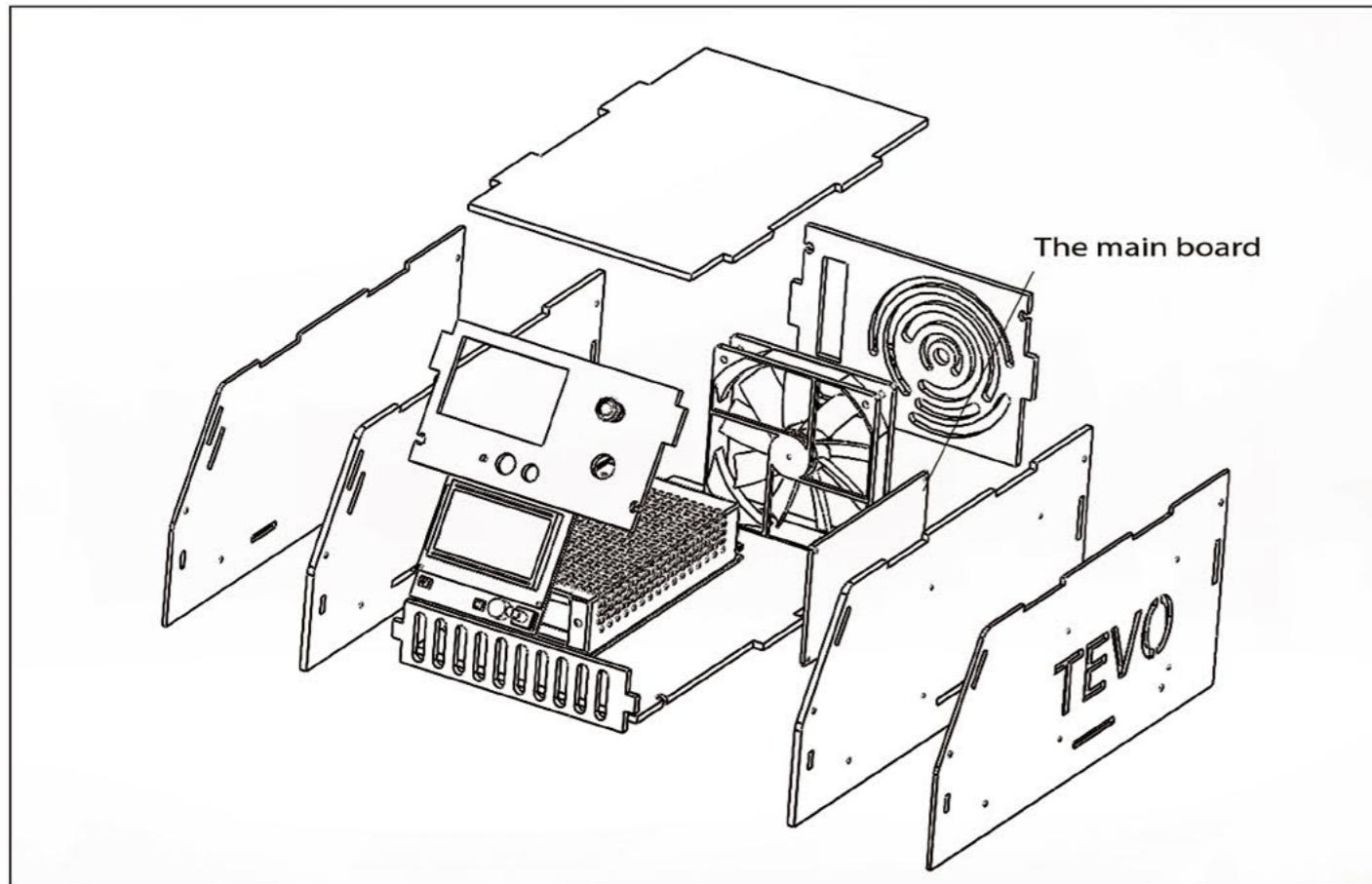


PARTS
ARE READY

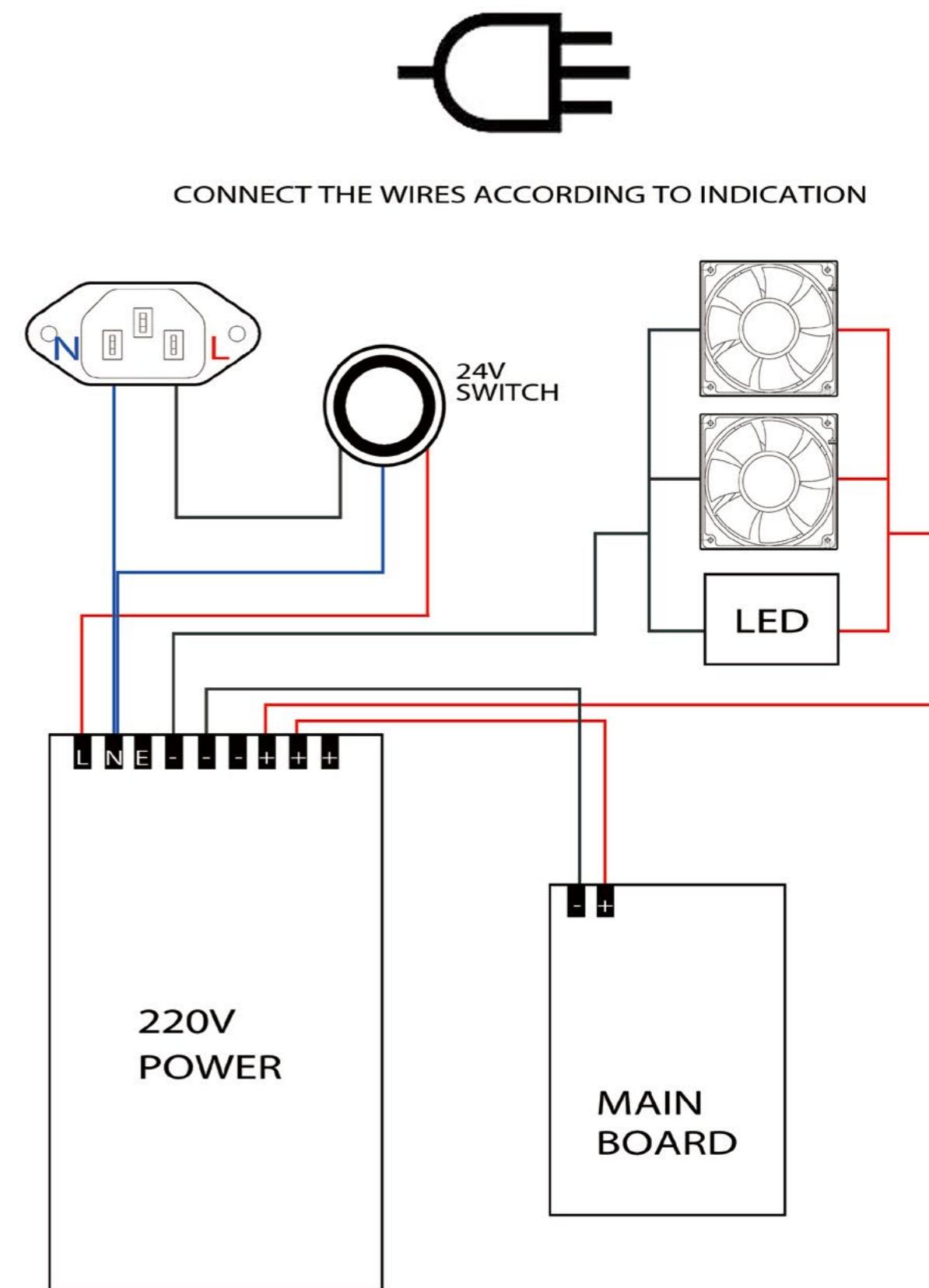


► CONTROL BOX SUITE
24 V SWITCHING POWER SUPPLY
THE MAIN BOARD
THE CONTROL PANEL

CONTROL BOX INSTALLATION



CONTROL BOX INSTALLATION

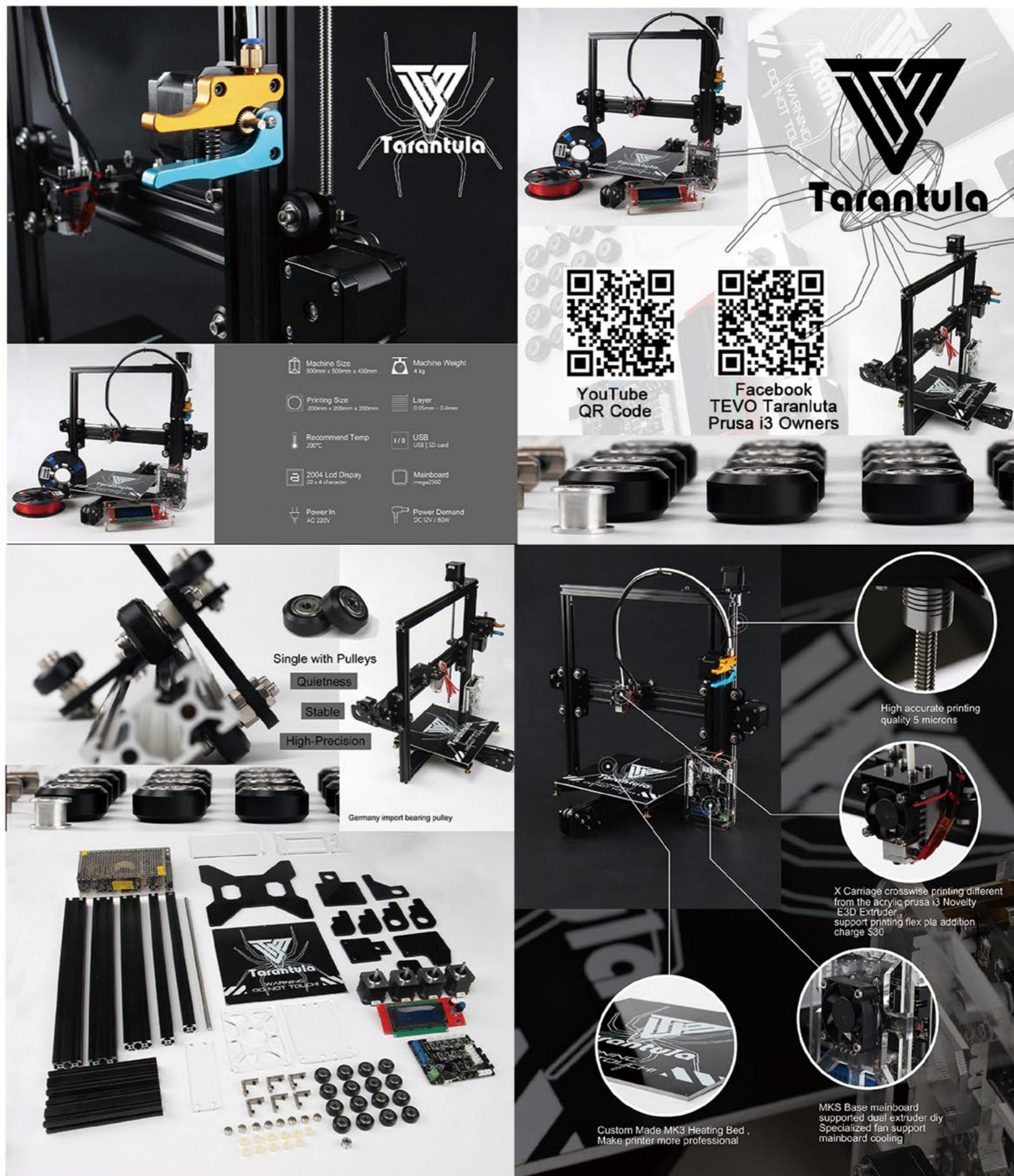


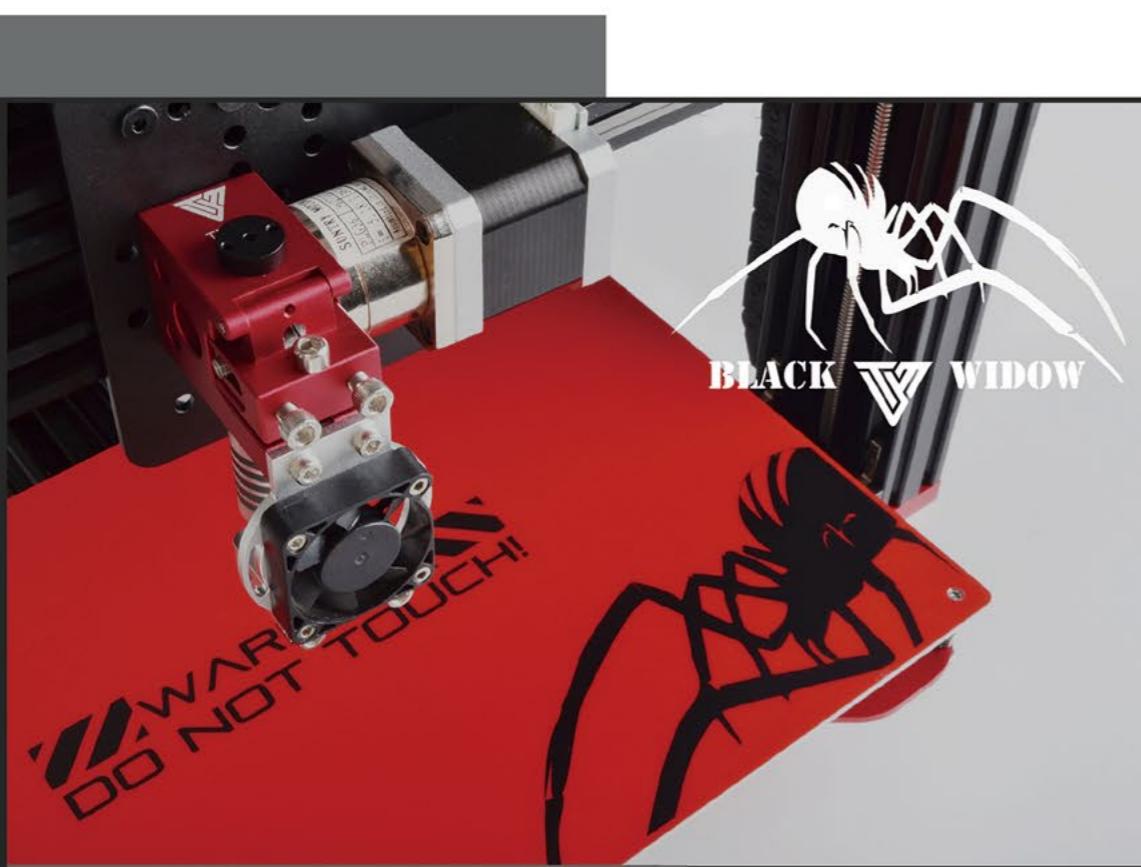


TEVO
特维电子科技有限公司

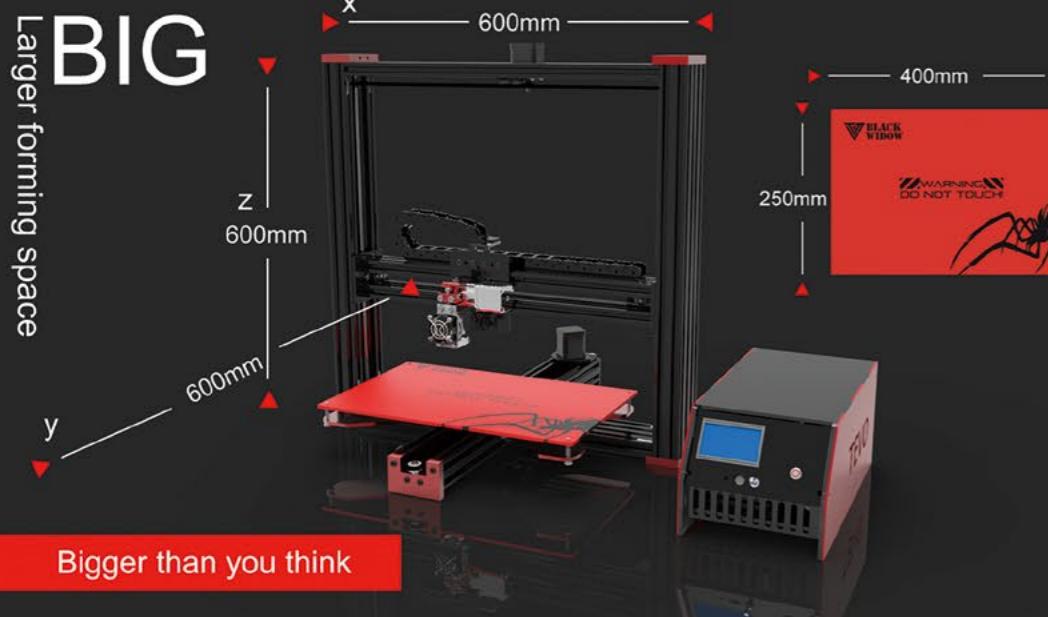
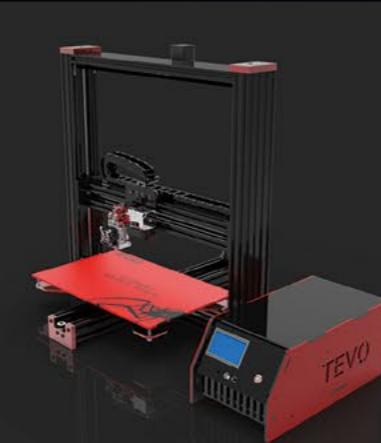
TEVO 3D Electronic Technology Co., Ltd.

PRODUCT SYSTEM

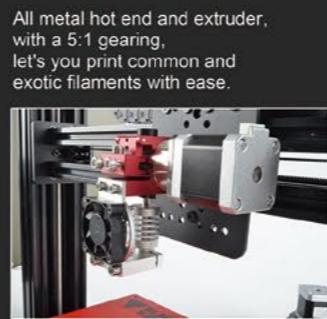




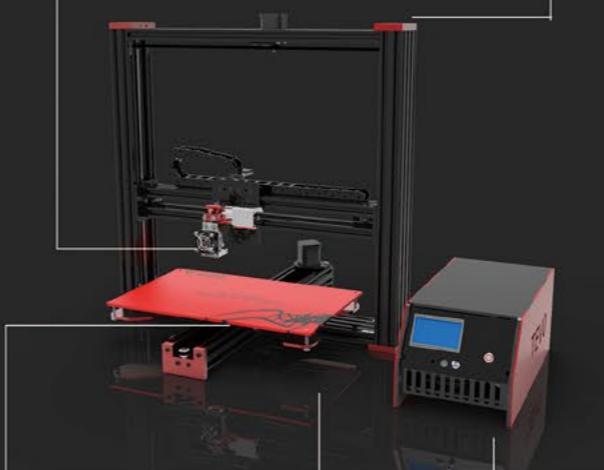
	Machine Size 600mm x 600mm x 600mm		Machine Weight 15 kg
	Printing Size 400mm x 250mm x 300mm		Layer 0.05mm - 0.4mm
	Recommend Temp 200-300 C		USB SD card
	12864 Lcd Display 20 x 4 character		Mainboard mega2560
	Power In AC 110V-220V		Power Demand DC 24V 360W



Solid anodized aluminum plates are CNC milled for precise fit, extreme rigidity, and a beautiful look that will last.



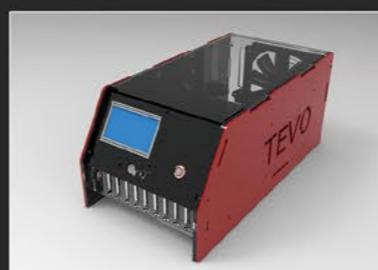
All metal hot end and extruder, with a 5:1 gearing, let's you print common and exotic filaments with ease.



Enormous 400mm x 250mm heated bed heats up extremely fast, so you can print large things faster!



Tiny inductive sensors for homing this all metal printer, for a clean and reliable experience.



Custom electronics box keeps control board cool and wires looking neat.

Black widow is not only upgrade, is the most perfect experience of DIY





TEVO 3D Electronic Technology CO.,Ltd.