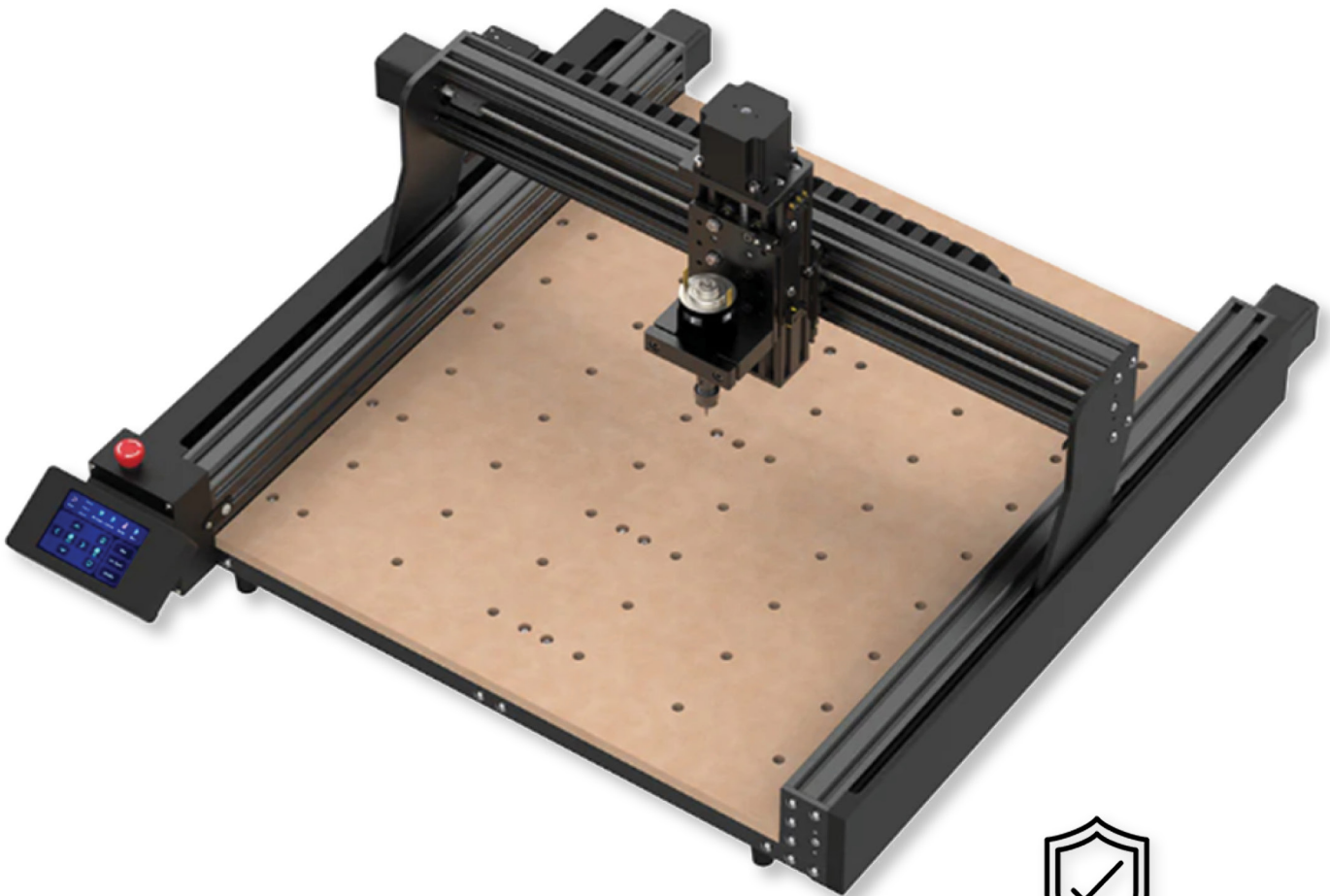# CNC
ROUTER

CREATING UNLIMITED POSSIBILITIES

**1 YEAR WARRANTY
AND UNLIMITED SUPPORT**

|	
Engraving size	460x460x80mm
XY axis positioning accuracy	0.1mm
Stepper motor	A4988, 1.3A / 17HS8401S, NEMA23 20mN.m
Engraving precision	0.01mm
Engraving speed	800mm/min
Spindle	500W,12000rpm
Engraving method	USB connection\APP\wireless computer WEB side\offline
Carving material	Plastic, soft aluminum, wood, acrylic, PVC, PVB and other soft materials
Software recognition format	NC, DXF, BMP, JPG, PNG, GCODE
Continuous working hours	≤6 hours
Engraving mode	Graphic engraving, file engraving, scan engraving, contour engraving, pixel engraving
Control panel	ESP32 32-bit main control board
Language	English, Italian, French, German
Power supply	24V 5A 120W
Operating system	Windows, MAC
Support CAM software	Candle, Carveco, Artcam, Easel
Working environment	Temperature 5-40 degrees Celsius, humidity 20-60%RH
Color	Black
Machine material	Aluminum profile + plastic
Leadscrew size & type	T8 2mm pitch, 4mm lead 5 start acme lead screw
Height adjustment method	Lifting module adjustment (automatic)
Machine size	782x670x390mm
Weight	25kg
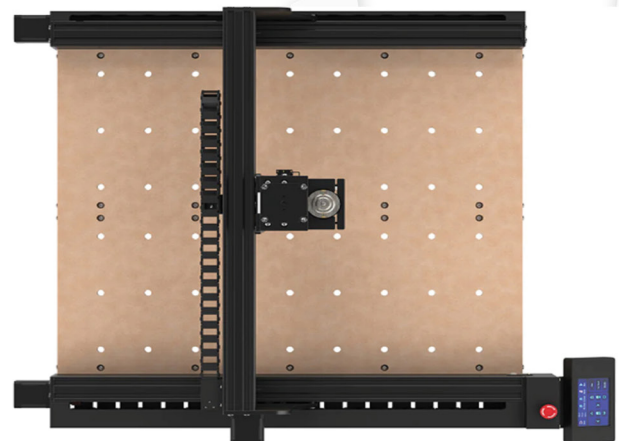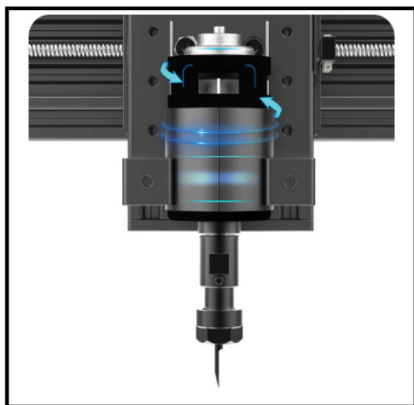
High speed spindle

Standard 80W spindle reach 7000rpm,upgraded spindle 500W reach 12000rpm, quiet and fast heat dissipation, making the engraving smoother.
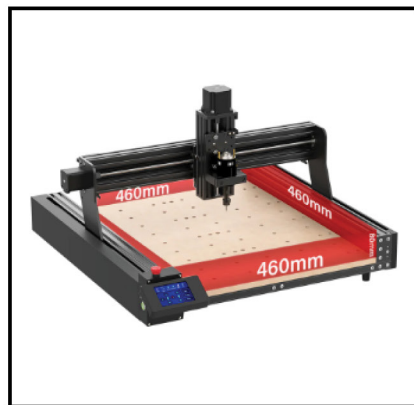
Large working area

Large working area 460x460x80mm, 70% preassembled, meet most engraving needs, commercial batch manufacturing and artistic design, unlimited engraving.
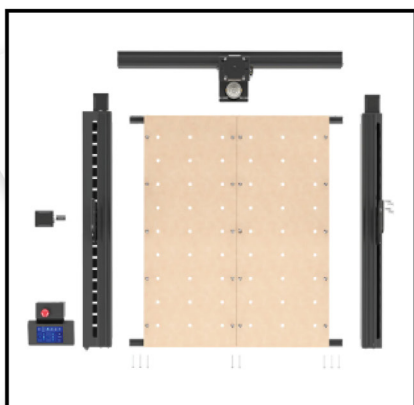
Strong and durable construction

The metal frame is equipped with high-quality screw rods for smoother and more stable operation.

Support offline engraving

Connect and control it easily, supports operation via TF card and USB connection. Supports LightBurn or Laser-GRBL with 20W laser Module.
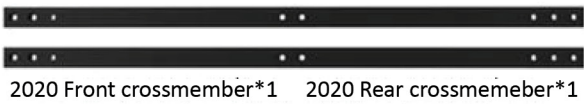

Accurate to the millimeter

Limit stops on all axes for high engraving accuracy 0.01mm,instant stop switch for safe operation.

Wide range of applications

Creates 2D and 3D works on a wide range of materials, including plastics, acrylic, industrial plastics, metals and more.

TTC450

2020 Front crossmember*1   **2020 Rear crossmemeber*1**

Power adapter*1   Power cord*1   USB data cable*1   775 spindle motor*1

2040 Bottom crossbeam*1

TS35 touch screen kit*1   Left Y-axis shield*1

2020 Bottom crossmember*2
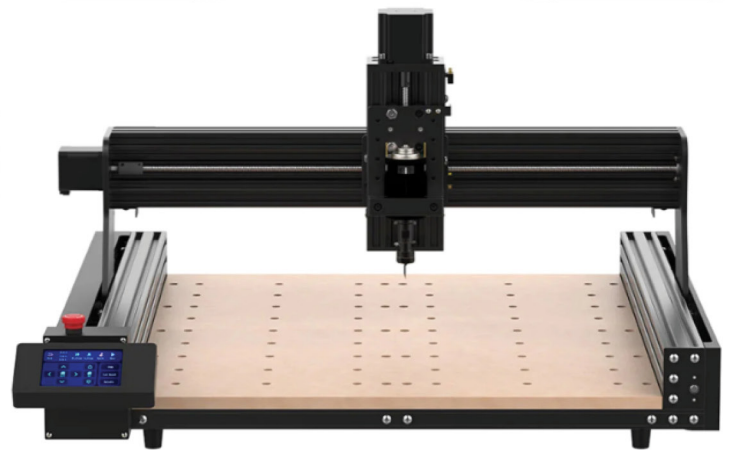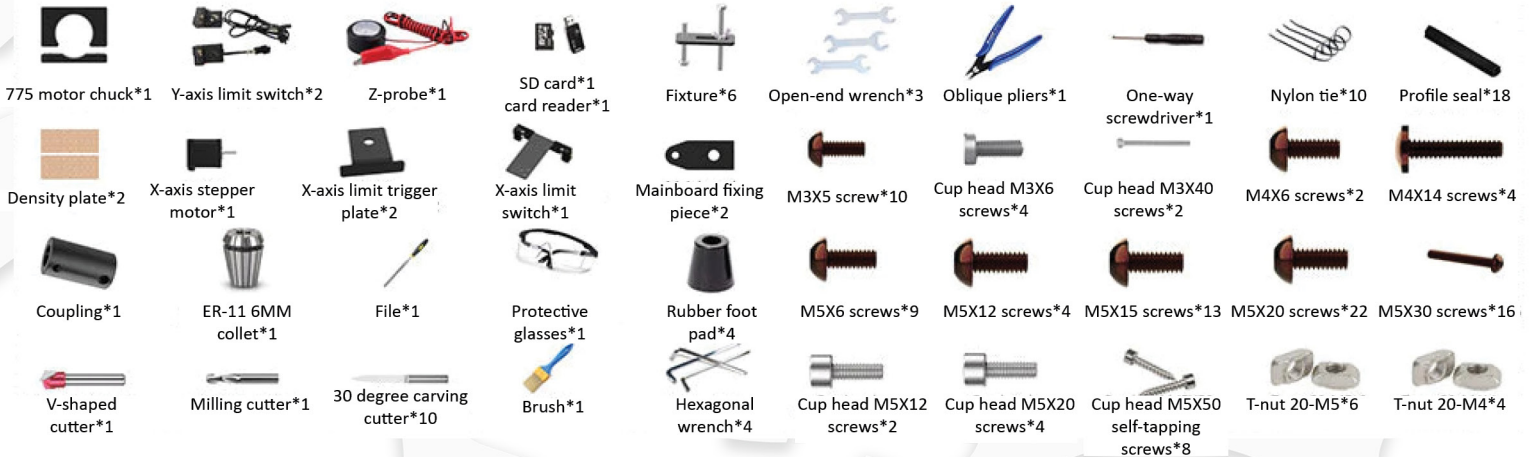
X-axis assembly*1   Z-axis assembly*1

Left Y-axis assembly*1   Right Y-axis assembly*1
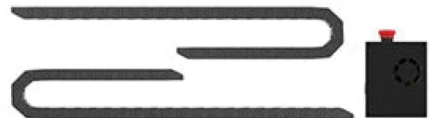
ESP32 control box + drag chain*1

775 motor chuck*1	Y-axis limit switch*2	Z-probe*1	SD card*1 card reader*1	Fixture*6	Open-end wrench*3	Oblique pliers*1	One-way screwdriver*1	Nylon tie*10	Profile seal*18
Density plate*2	X-axis stepper motor*1	X-axis limit trigger plate*2	X-axis limit switch*1	Mainboard fixing piece*2	M3X5 screw*10	Cup head M3X6 screws*4	Cup head M3X40 screws*2	M4X6 screws*2	M4X14 screws*4
Coupling*1	ER-11 6MM collet*1	File*1	Protective glasses*1	Rubber foot pad*4	M5X6 screws*9	M5X12 screws*4	M5X15 screws*13	M5X20 screws*22	M5X30 screws*16
V-shaped cutter*1	Milling cutter*1	30 degree carving cutter*10	Brush*1	Hexagonal wrench*4	Cup head M5X12 screws*2	Cup head M5X20 screws*4	Cup head M5X50 self-tapping screws*8	T-nut 20-M5*6	T-nut 20-M4*4

+

500W MOTOR