

XY-Plotter Robot Kit v2.0 (With electronic)

SKU: 114990137



(images/product/90014P1_05.jpg)

Description

Introduction:

Stronger structure, super easy stepper motor driver and laser-head compatible -- Makeblock XY-Plotter 2.0 is a fully updated version of XY-plotter. With the Processing and GRemote, the XY-Plotter 2.0 is a drawing robot basically, you can draw amazing pictures with Gcode.

Since we reinforce the structure, the XY-plotter 2.0 is stronger enough to be converted to MiniCNC, 3D printer, driller, laser cutting machine, etc. And the movement of the terminal is stable and precise since the improved dual-way transmission mechanism.

We replaced the stepper motor driver to A4988, whose operation is much easier than Me 2H Microstep Driver V1.0.

Features:

- Stronger aluminum extrusion parts than XY-Plotter 1.0 (<http://www.makeblock.cc/xy-plotter-robot-kit-with-electronics/>), anodizing surface
- Dual-way transmission mechanism
- Improved pen rising mechanism
- Super easy-use stepper motor driver, A4988 (<http://www.makeblock.cc/me-stepper-motor-driver/>)
- Updated control panel -- Me Baseboard (<http://www.makeblock.cc/me-baseboard-v1-0/>)
- Easy-Controlled by Processing and GRemote

Specification:

- Frame: Anodized aluminum
- Physical Dimensions(L×W×H): 620mm × 620mm×140mm
- Working area (X×Y): 310mm×390mm
- XY Accuracy: 0.1mm
- Max Engrave Speed: 50mm/s
- Power: 100-240 V~50/60Hz AC/DC Power adapter, 12V/2.0A

- Software: GRemote
- Supports file type: *.CNC(G-code)
- Connections: USB
- Electronics: Makeblock Me_baseboard

Note: The power supply in this kit is USA plug AC to DC wall power supply. You can buy other Power plugs in our website.

Download:

Please visit the link to download the software and assembly instruction.

<https://github.com/Makeblock-official/XY-Plotter-2.0> (<https://github.com/Makeblock-official/XY-Plotter-2.0>)

Instruction: <http://learn.makeblock.cc/xy2/> (<http://learn.makeblock.cc/xy2/>)

Part List:

| | | |
|---------------------------------|----------------------------------|---|
| 1 x Beam 0824-16 | 10 x Shaft Collar 4mm | 1 x 6P6C RJ25 cable-35cm |
| 4 x Beam 0824-48 | 1 x Flexible coupling 4x4mm | 2 x 6P6C RJ25 cable-50cm |
| 1 x Beam 0824-80 | 4 x Linear Motion Shaft D8X496mm | 1 x Wall Adapter Power Supply - 12VDC |
| 4 x Beam 0824-96 | 6 x Linear Motion Slide Unit 8mm | 1 x USB A-Male to B-Male Cable |
| 2 x Beam 0824-112 | 10 x Flange Bearing 4x8x3mm | 1 x Base Bracket |
| 2 x Beam 0824-496 | 1 x HEX Screwdriver 2.5mm | 4 x Me Micro Switch B |
| 1 x Beam 0808-80 | 1 x Cross Screwdriver 3mm | 1 x 9g micro servo bracket |
| 2 x Beam2424-504 | 2 x HEX Allen Key 1.5mm | 1 x Linear Motion Shaft D4x512mm |
| 2 x Bracket 3x3 | 1 x Wrench 7mm | 1 x Linear Motion Shaft D4x80mm |
| 5 x Plate 3x6 | 50 x Nut M4 | 3 x Nut M2 |
| 5 x Bracket U1 | 10 x Countersunk Screw M3x8 | 3 x Cross recessed pan head screw M2x10 |
| 3 x Belt Connector | 26 x Headless Set Screw M3x5 | 30 x Socket Cap Screw M4x14 |
| 2 x 42BYG Stepper Motor Bracket | 16 x Plastic Rivet R4060 | 28 x Socket Cap Screw M4x16 |
| 1 x K-Power 9g Micro Servo | 6 x Plastic Rivet R4100 | 12 x Socket Cap Screw M4x22 |
| 2 x 42BYG Stepper Motor | 20 x Plastic Ring 4x7x2mm | 18 x Socket Cap Screw M4x30 |
| 6 x Timing Pulley18T | 1 x Me-Baseboard | 36 x Socket Cap Screw M4x8 |
| 3 x Open-end Timing Belt (1.3m) | 2 x Me Stepper motordriver V1.0 | 6 x Cuttable Linkage 3 |
| 2 x D Shaft 4x56mm | 3 x RJ25 Adapter | 30 x Nylon cable ties 2*100 |
| 1 x Threaded Shaft 4x39mm | 2 x 6P6C RJ25 cable-20cm | 5 x Rubber band |