

share what you make >

(/editinstructable/)

How to make a XY-plotter with Makeblock by Makerworks (/member/Makerworks/)



Download (/id/How-to-make-a-XY-plotter-with-Makeblock/?download=pdf)

(/id/How-to-make-a-XY-plotter-with-Makeblock/)

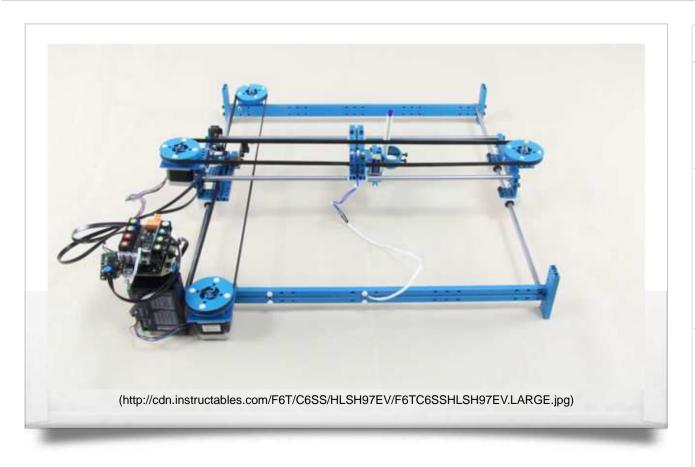
18 Steps

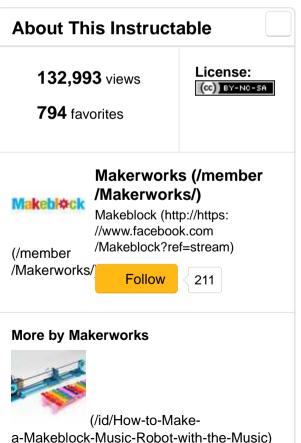
Collection

I Made it!

Favorite

Share ▼





Introduction

Last month, I made a XY-plotter by Makeblock and use it to built a Drawing Robot.

This Drawing Robot was built with two Linear Motion Shaft D8x480mm, two Long Beam0824, the timing belt, two stepper motors, two stepper motor driver, and a micro-controller Arduino. You can send a picture from the phone or you can take a picture by the phone and then send it to the robot by Bluetooth. After that the robot will draw what you send.



The instruction will show you how to build a XY-plotter.

For the program process, please visit the user guide (http://forum.makeblock.cc /t/the-user-guide-and-troubleshooting-of-xy-plotter/462). It contains both the turtorials of how to use Android app to control XY-plotter, and how to use Gcode to control XY-plotter.



Tags: Makeblock (/tag/type-id/category-technology/keyword-makeblock/) Arduino (/tag/type-id/category-technology/keyword-arduino/) plotter (/tag/type-id/category-technology/keyword-plotter/) Robot (/tag/type-id/category-technology/keyword-robot/) Draw (/tag/type-id/category-technology/keyword-draw/)

Related



How to make Makeblock XY Plotter v2.0 (/id/Howto-make-Makeblock-XY-Plotter-v20/)



How to make a Makeblock Remote Control 2WD Robot (/id/How-to-makea-Makeblock-Remote-

How to make a Makeblock

If you have any question about it, pleas visit the troubleshooting of XY-plotter (http://forum.makeblock.cc/t/the-user-guide-and-troubleshooting-of-xy-plotter /462/2)to help yourself. Or you can just post your question on the forum (http://forum.makeblock.cc/), I will give a response in minutes.

Now let's start!

Step 1: Materials list



Small Tank with Ultrasonic Sensor (/id/How-to-makea-Makeblock-Small-



How to make a robot that can play Tower of Hanoi (/id/How-to-make-a-robotthat-can-play-Tower-



How to Make a Makeblock Music Robot with the Music Robot Kit(NEW) (/id/How-to-Make-

See More (/tag/type-id/?q=)



Materials List:

- 4 x Linear Motion Shaft D8x480
- 6 x Linear Motion Slide Unit 8mm
- 2 x Beam 0824-496
- 1 x Beam 0824-144
- 3 x Beam 0824-128
- 1 x Beam 0824-96
- 3 x Beam 0824-80
- 1 x Beam 0808-80
- 1 x General Bracket

- 2 x Bracket 3x6
- 11 x Bracket 3x3
- $1 \times Plate 3 \times 6$
- 2 x Stepper Motor Bracket
- 4 × Timing Pulley 90T
- 8 x Timing Pulley Slice 90T
- 1 x Open-end Timing Belt (3m)
- 2 x Link Rod
- 2 x Shaft Connector-4
- 3 x Threaded Shaft 4x31mm
- 3 x Shaft Collar 4mm
- 4 x Flange Bearing 4x8x3mm
- 8 x Headless Set Screw M3x5
- 15 x Countersunk Screw M3x8
- 20 x Plastic Rivet 4120
- 25 x Plastic Ring 4x7x2mm
- 5 x Plastic Ring 4x7x1mm
- 30 x Screw M4x8
- 55 x Screw M4x14
- 2 x Screw M4x30
- 40 x Nylon Lock Nut M4
- 10 x Nylon Cable Ties

Electronic Modules List:

- 1 × Arduino
- 1 × Acrylic Arduino Bracket
- 1 x Me-BaseShield
- 1 x Solenoid 12v
- 2 x Stepper Motor
- 2 x Stepper motor driver
- 1 x Me-Bluetooth modules
- 2 x Me-Limit Switch
- 3 x 6P6C RJ11 cable-20cm
- 2 x 6P6C RJ11 cable-50cm

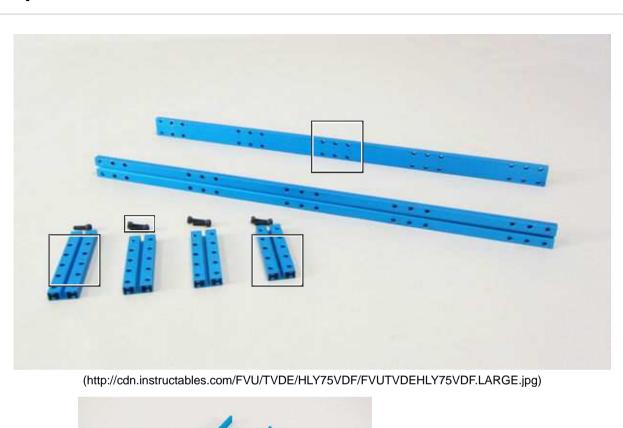
Step 2: Tools



Tools

1.5mm Hexagonal Screwdriver 3mm Hexagonal Screwdriver Cross Screwdriver Slotted Screwdriver Pliers Nylon CableTies

Step 3: Make the Holder

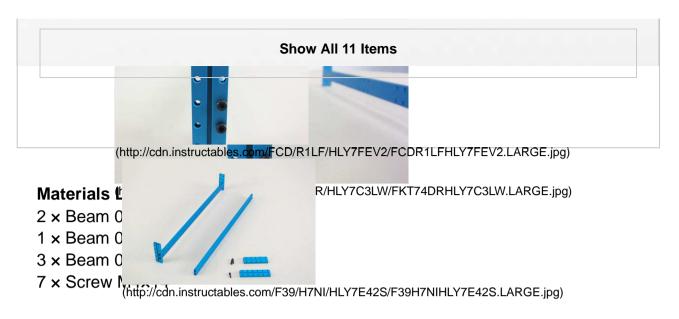




(http://cdn instructables.com/FPS/N2XW/HLY7FEVG/FPSN2XWHLY7FEVG.LARGE.jpg)



(http://cdn.instructables.com/FMG/6O57/HLY7C3MH/FMG6O57HLY7C3MH.LARGE.jpg)

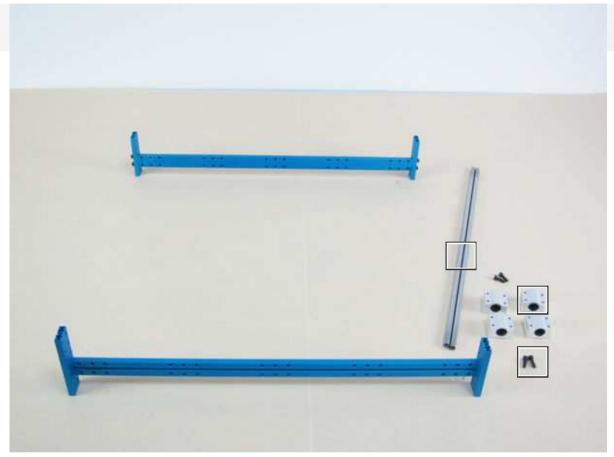


Procedure:

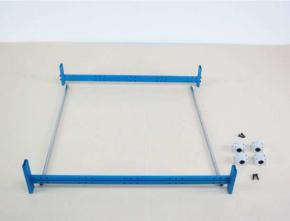
- 1. Install the first Beam 0824-80 on Beam 0824-496 by using 2 Screw M4×14.
- 2. Install the second Beam 0824-80 on Beam 0824-496 with 2 Screw M4x14.
- 3. Install the third Beam 0824-80 on another Beam 0824-496 with 2 Screw M4x14.
- 4. Install the Beam 0824-96 on Beam 0824-496 with 1 Screw M4×14.

Step 4: Build the Frame





(http://cdn.instructables.com/F8B/9NH9/HLY7I348/F8B9NH9HLY7I348.LARGE.jpg)

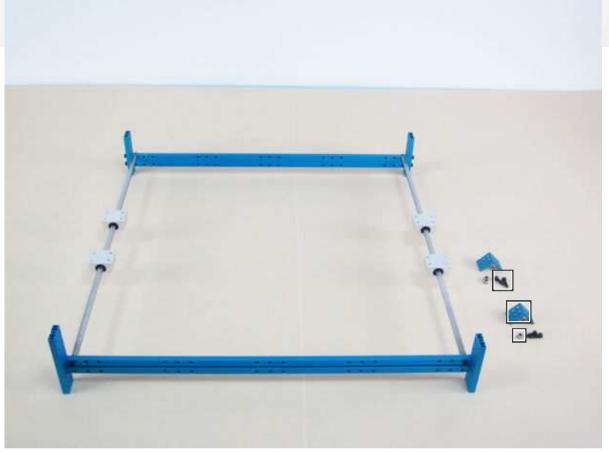


(http://cdn.instructables.com/F9R/WIGL/HLY7E4GR/F9RWIGLHLY7E4GR.LARGE.jpg)



Step 5: Add Stepper Motor Driver Holder

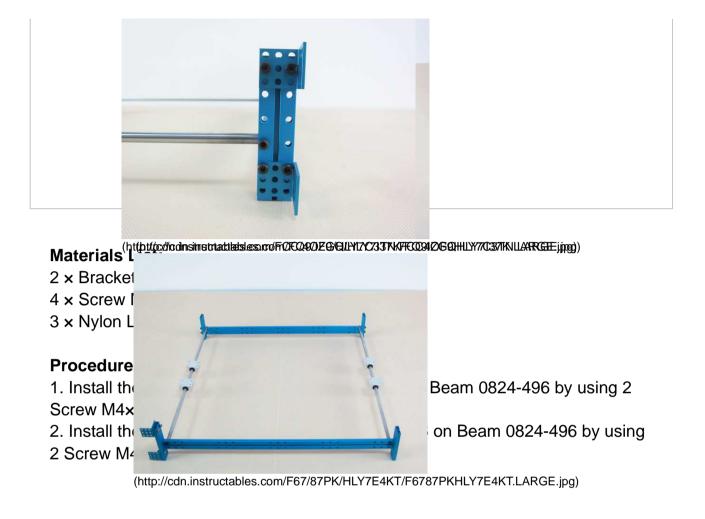




(http://cdn.instructables.com/FEF/FBRA/HLY7AQBO/FEFFBRAHLY7AQBO.LARGE.jpg)

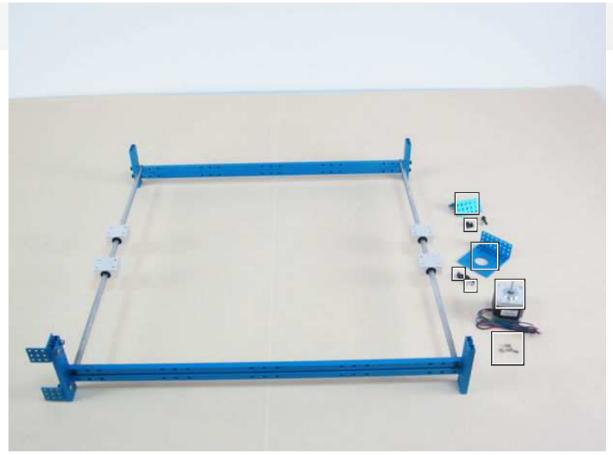


(http://cdn.instructables.com/FDK/L48Z/HLY7C3TR/FDKL48ZHLY7C3TR.LARGE.jpg)

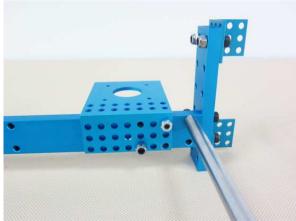


Step 6: Add Stepper Motor

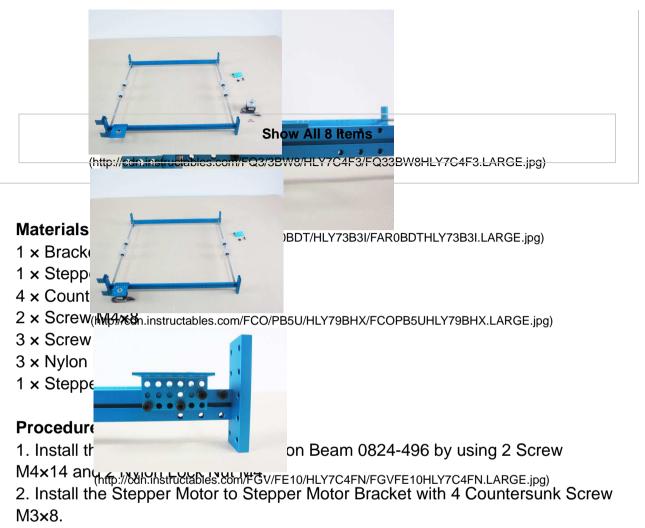




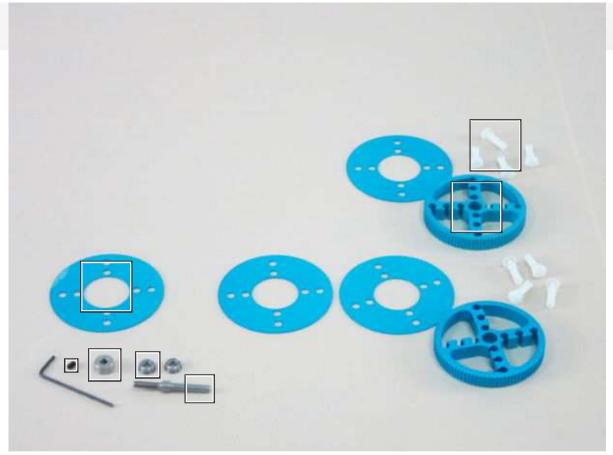
(http://cdn.instructables.com/F4E/BX0X/HLY75VFO/F4EBX0XHLY75VFO.LARGE.jpg)



(http://cdn.instructables.com/F1M/1LKS/HLY70BLD/F1M1LKSHLY70BLD.LARGE.jpg)



3. Install the Bracket 3x6 on Beam 0824-496 by using 2 Screw M4x8, 1 Screw M4x14 and 1 Nylon Lock Nut M4.



(http://cdn.instructables.com/FRT/EBUG/HLY7E70Z/FRTEBUGHLY7E70Z.LARGE.jpg)



(http://cdn.instructables.com/FGW/G9Z3/HLY7C5FC/FGWG9Z3HLY7C5FC.LARGE.jpg)



Materials

4 × Timing

8 x Timing

2 x Thread

2 x Shaft Cinharchmmuctables.com/F8L/R2FU/HLY7FGE1/F8LR2FUHLY7FGE1.LARGE.jpg)

2 x Headle:

4 x Flange

16 x Plastic

Procedure

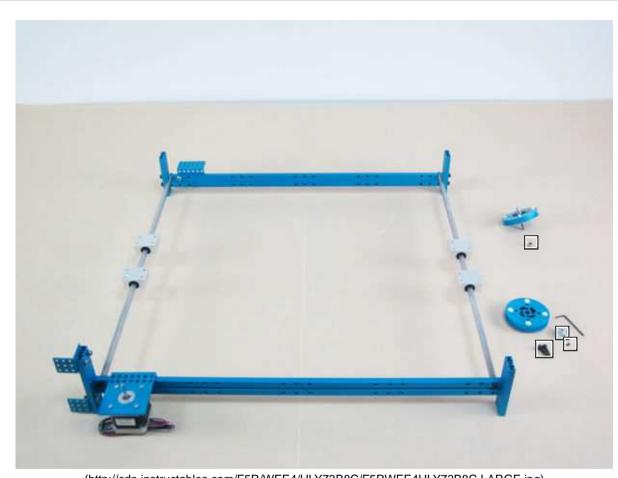
1. Insert 4 l

e holes on the Timing Pulley Slice 90T.

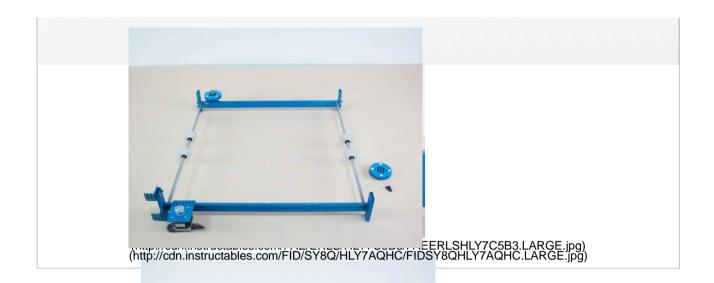
ZO/HLY79BTS/F69HMZOHLY79BTS.LARGE.jpg)

- 2. Put a Tin (Http://cdn.lhs/ructables.com/Fis/40ko/HLY7/4XW/Fis40ko/HLY7/4XW.LARGE.jpg)
 3. Put another Timing Pulley Slice 90T on the Timing Pulley 90T and Press the Plastic Rivet R4120 to make them together.
- 4. Do the same as step1 to 3 discribe to make another Timing Pulley.
- 5. Insert the Threaded Shaft 4x31mm into the Flange Bearing 4x8x3mm.
- 6. Insert the Threaded Shaft 4×31mm with the Flange Bearing 4×8×3mm into the Timing Pulley 90T.
- 7. Insert the other Flange Bearing 4×8×3mm into the Timing Pulley 90T.
- 8. Put the Shaft Collar 4mm on the Threaded Shaft 4x31mm and insert a Headless Screw M3x5 into the Shaft Collar 4mm.
- 9. Do the same as step 1 to 8 discribe to make another two Timing Pulley.

Step 8: Add Timing Pulley



(http://cdn.instructables.com/F5R/WEE4/HLY73B8C/F5RWEE4HLY73B8C.LARGE.jpg)





1 x Shaft C

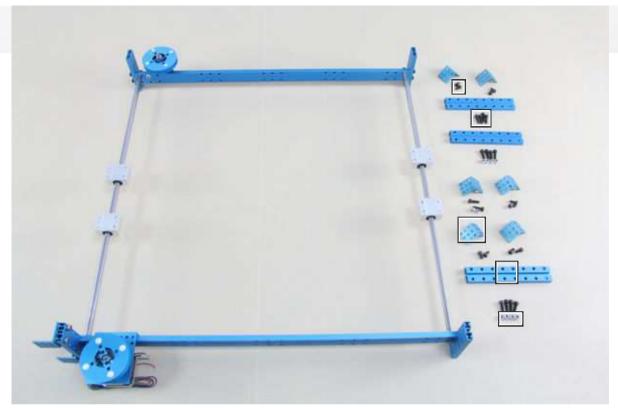
1 × Headle:

2 × Screw I

1 × Nylon L

Procedure

- Shaft Connector-4 to the Stepper Motor.
- 3. Install the Driving Pulley on the Shaft Connector-4 with 2 Screw M4×14.



(http://cdn.instructables.com/FRY/QMCB/HLSH026K/FRYQMCBHLSH026K.LARGE.jpg)



(http://cdn.instructables.com/FCU/N43V/HLSHE7UG/FCUN43VHLSHE7UG.LARGE.jpg)



(http://cdn.instructables.com/F9H/4K1M/HLSHIY5M/F9H4K1MHLSHIY5M.LARGE.jpg)

V/HLSHIY5N/F63TY8VHLSHIY5N.LARGE.jpg)

Materials I

3 x Beam Q

6 x Bracket

10 x Screw

14 x Screw

10 × Nylon (http://cdn.iaskrugtables.com/F4Z/7SCI/HLSHIY5L/F4Z7SCIHLSHIY5L.LARGE.jpg)

Procedur

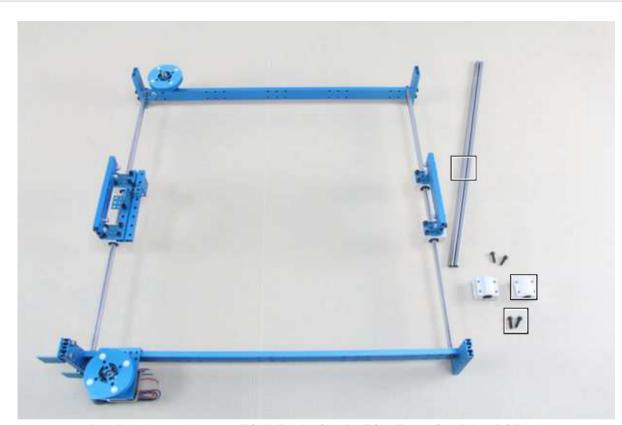
1. Install t inear Motion Slide Unit 8mm with 2 Screw M4×8.

2. Install t another Linear Motion Slide Unit 8mm at

the same AHDEN CHILLIPS HUR SAME WORLD FLW/HLY7FGOO/FZ4NFLWHLY7FGOO.LARGE.jpg)

- 3. Install the first Beam 0824-128 on the two Linear Motion Slide Unit 8mm with Bracket 3x3 by using 4 Screw M4x14.
- 4. Install the second Beam 0824-128 on the Bracket 3x3 by using 4 Screw M4x14 and 4 Nylon Lock Nut M4.
- 5. Install the third Bracket 3x3 on the first Beam 0824-128 with 2 Screw M4x8.
- 6. Install the fourth Bracket 3x3 on the first Beam 0824-128 with 2 Screw M4x8 and 2 Nylon Lock Nut M4.
- 7. Install the fifth and the sixth Bracket 3x3 on 2 Linear Motion Slide Unit 8mm with 4 Screw M4x8.
- 8. Install the third Beam 0824-128 on the fifth and sixth Bracket 3x3 by using 4 Screw M4x14 and 4 Nylon Lock Nut M4.

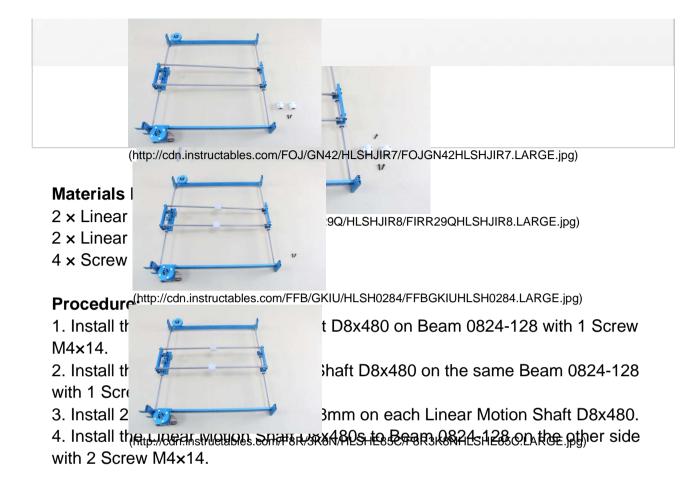
Step 10: Add Linear Motion Shaft



(http://cdn.instructables.com/FQY/NZA5/HLSHJIRA/FQYNZA5HLSHJIRA.LARGE.jpg)

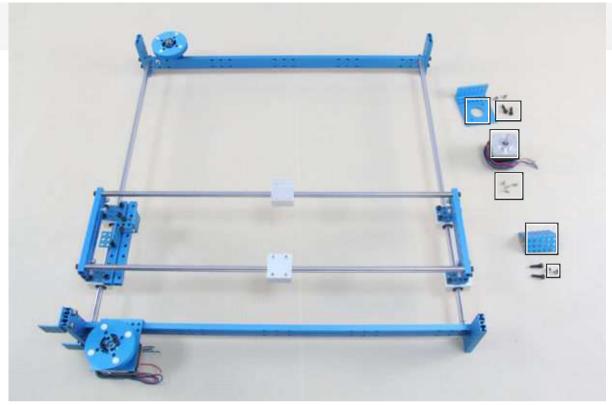


(http://cdn.instructables.com/FZM/5WG7/HLSH5X3J/FZM5WG7HLSH5X3J.LARGE.jpg)

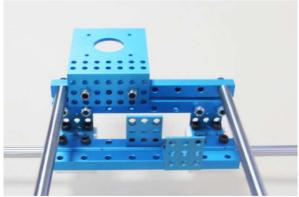


Step 11: Add Stepper Motor





(http://cdn.instructables.com/F2B/8L4R/HLSHJIRO/F2B8L4RHLSHJIRO.LARGE.jpg)



(http://cdn.instructables.com/FEF/EJDW/HLY7FGWT/FEFEJDWHLY7FGWT.LARGE.jpg)



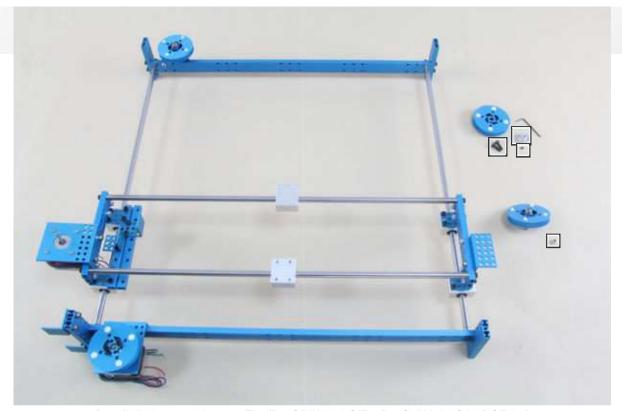
(http://cdn.instructables.com/FRK/C1JW/HLSH97YT/FRKC1JWHLSH97YT.LARGE.jpg)



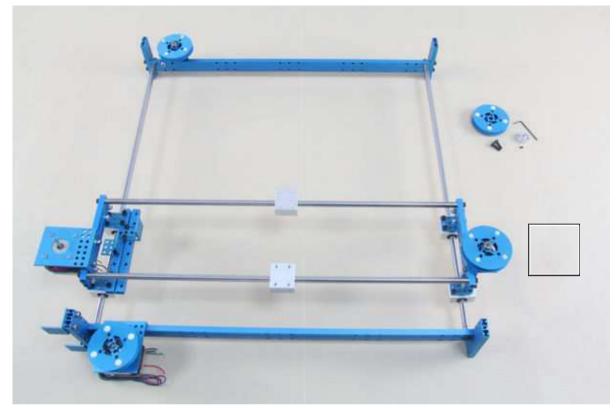
- 2. Install the premier was a suppression of the counters of th M3×8.
- 3. Install the Bracket 3x6 on Beam 0824-496 by using 2 Screw M4x8, 1 Screw M4×14 and 1 Nylon Lock Nut M4.

Step 12: Add Timing Pulley

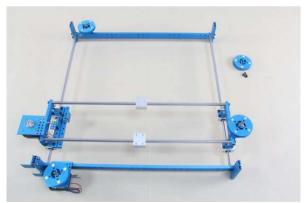




(http://cdn.instructables.com/F28/P87S/HLY7I5LS/F28P87SHLY7I5LS.LARGE.jpg)



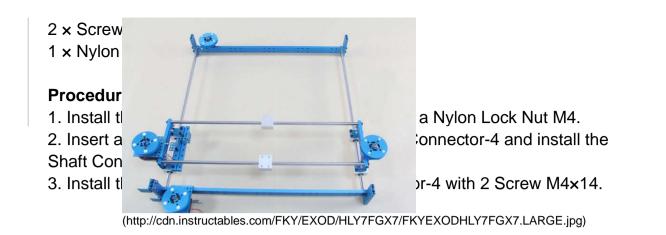
(http://cdn.instructables.com/FWV/07L6/HLY7C5QQ/FWV07L6HLY7C5QQ.LARGE.jpg)



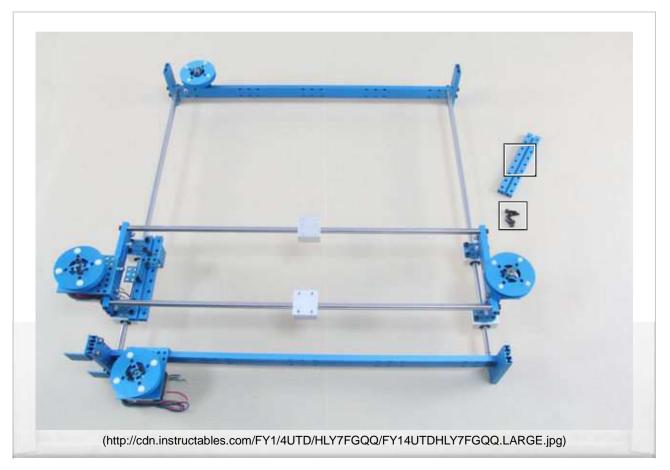
(http://cdn.instructables.com/F82/99RR/HLY7I5LM/F8299RRHLY7I5LM.LARGE.jpg)

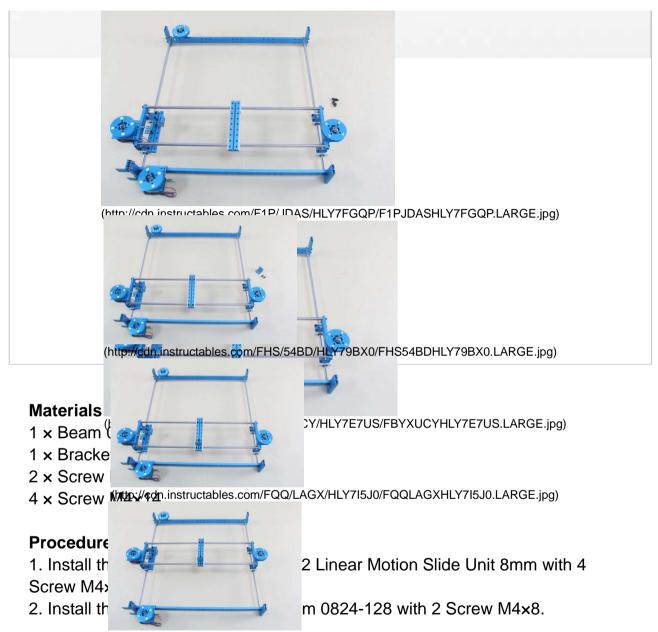
Materials List:

- 1 x Shaft Connector-4
- 1 x Headless Set Screw M3x5



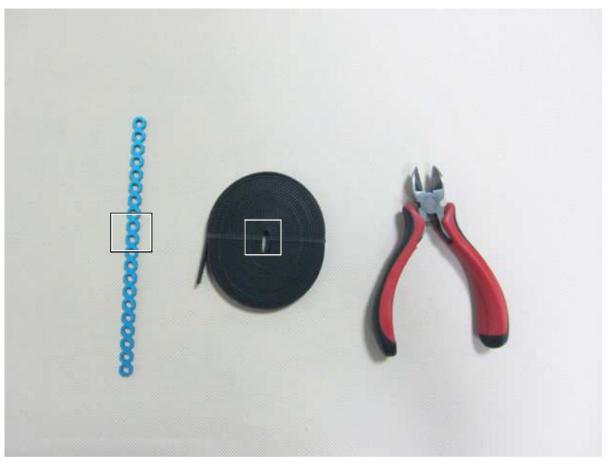
Step 13: Add Drawing Mechanism Holder





(http://cdn.instructables.com/FED/0YS8/HLY73BC0/FED0YS8HLY73BC0.LARGE.jpg)

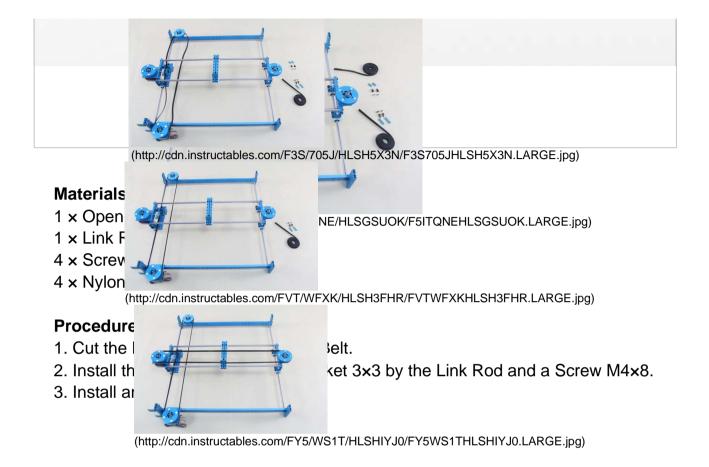
Step 14: Add Timing Belt



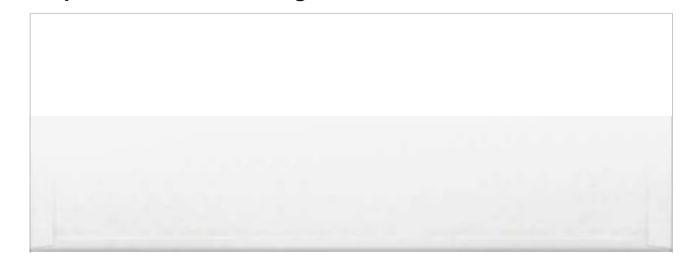
(http://cdn.instructables.com/F2I/FZUM/HLZRQDK3/F2IFZUMHLZRQDK3.LARGE.jpg)



(http://cdn.instructables.com/FJS/TIGX/HLZRVF4A/FJSTIGXHLZRVF4A.LARGE.jpg)



Step 15: Build the Drawing Mechanism





(http://cdn.instructables.com/FVI/BHN9/HLZRKFU5/FVIBHN9HLZRKFU5.LARGE.jpg)



(http://cdn.instructables.com/F9C/LTUI/HLZRTWA4/F9CLTUIHLZRTWA4.LARGE.jpg)



EY/HLZRKFU1/FGKKPEYHLZRKFU1.LARGE.jpg)

Materials,

1 x Solence

1 x Beam

1 x Genera

1 x Plate 3

1 x Thread

1 x Shaft (

1 x Headle

2 x Counte

2 × Plastic

2 × Plastic (http://wdn.instructables.com/FDO/8KZC/HLZRO04I/FDO8KZCHLZRO04I.LARGE.jpg)

 $3 \times Screw M4 \times 8$

2 x Screw M4x14

4 x Nylon Lock Nut M4

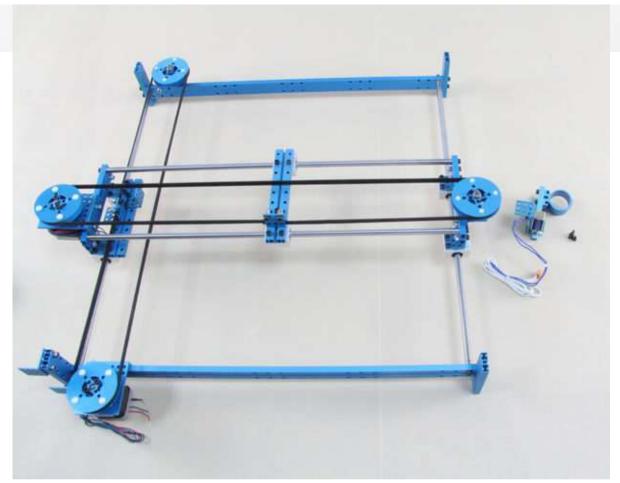
1 x Nylon Cable Ties

Procedure:

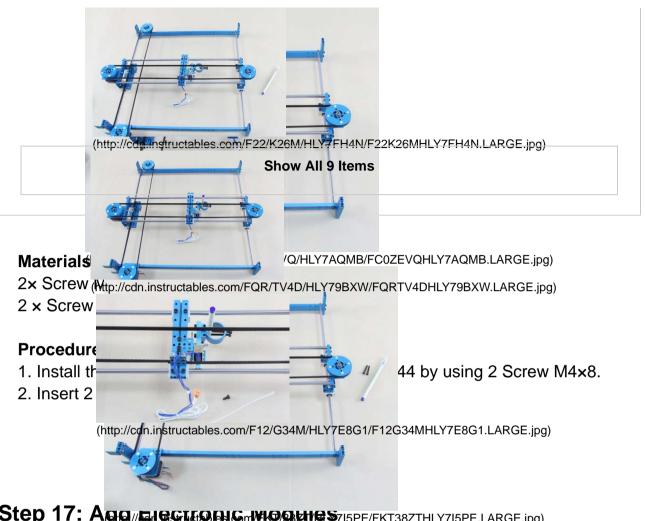
- 1. Install the Solenoid 12v on the first Bracket 3x3 with a Countersunk Screw M3×8, a Plastic Ring 4x7x2mm and a Plastic Ring 4x7x1mm.
- 2. Install the Plate 3x6 on the first Bracket 3x3 and the Solenoid 12v with a Countersunk Screw M3x8 and a Plastic Ring 4x7x1mm.
- 3. Install the first Bracket 3x3 on the Plate 3x6 with a Screw M4x8 and a Nylon Lock Nut M4.

- 4. Insert the Threaded Shaft 4x31mm into the Beam 0808-80.
- 5. Put the Shaft Collar 4mm on the Threaded Shaft 4x31mm and insert a Headless Screw M3x5 into the Shaft Collar 4mm.
- 6. Install a Plastic Ring 4x7x2mm on the Threaded Shaft 4x31mm.
- 7. Insert the Threaded Shaft 4×31mm with the Beam 0808-80 into the hole of the Plate 3×6.
- 8. Install the Threaded Shaft 4×31mm with the Beam 0808-80 to the Plate 3×6 with a Nylon Lock Nut M4.
- 9. Install the Beam 0808-80 to the Solenoid 12v by using a Nylon Cable Ties.
- 10. Install the second Bracket 3x3 on the Plate 3x6 with 2 Screw M4x8 and 2 Nylon Lock Nut M4.
- 11. Install the General Bracket to the Beam 0808-80 with 2 Screw M4x14.

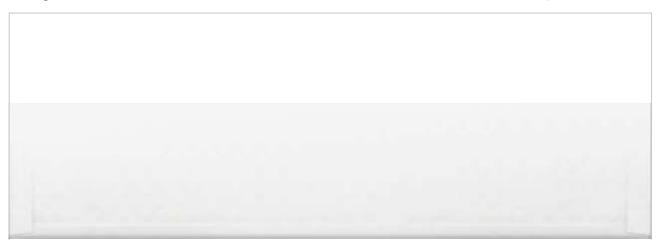
Step 16: Add Drawing Mechanism

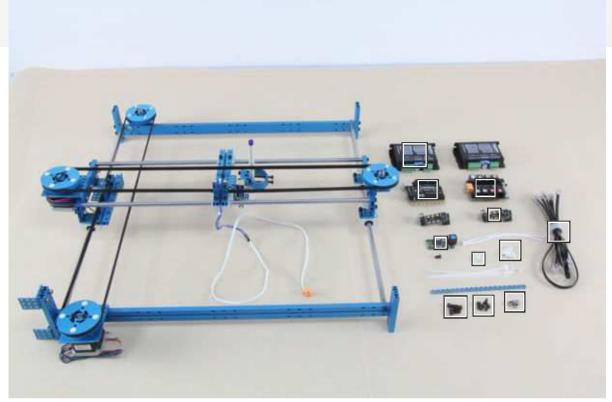


(http://cdn.instructables.com/FHM/EF19/HLY7C5WT/FHMEF19HLY7C5WT.LARGE.jpg)

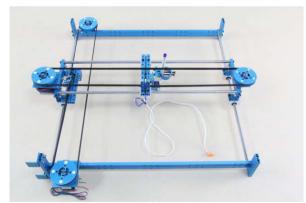


Step 17: App// Lingstitionism/ Month Stippe / FKT38ZTHLY715PE.LARGE.jpg)





(http://cdn.instructables.com/FKH/TRSK/HLY77YD5/FKHTRSKHLY77YD5.LARGE.jpg)



(http://cdn.instructables.com/FUQ/L7R6/HLY7I5YM/FUQL7R6HLY7I5YM.LARGE.jpg)



(http://cdh.instructables.com/FUN/FMZK/HLY7I5YE/FUNFMZKHLY7I5YE.LARGE.jpg)



1 × Arduin QP/HLY7E91S/FKGNOQPHLY7E91S.LARGE.jpg)

1 × Acrylic

1 x Me-Ba

2 × Steppe

1 × Me-Bi (http://cdn.instructables.com/FFF/Z8AB/HLY7E910/FFFZ8ABHLY7E910.LARGE.jpg)

2 × Me-Li

 $3 \times 6P6C$

 $2 \times 6P6C$

4 × Plasti

6 x Plasti

 $1 \times Link \ F_{\text{WMP}://cdn.instructables.com/F9G/TMUW/HLY7FH9H/F9GTMUWHLY7FH9H.LARGE.jpg)}$

 $4 \times Screw M4x8$

4 x Screw M4x14

4 x Nylon Lock Nut M4

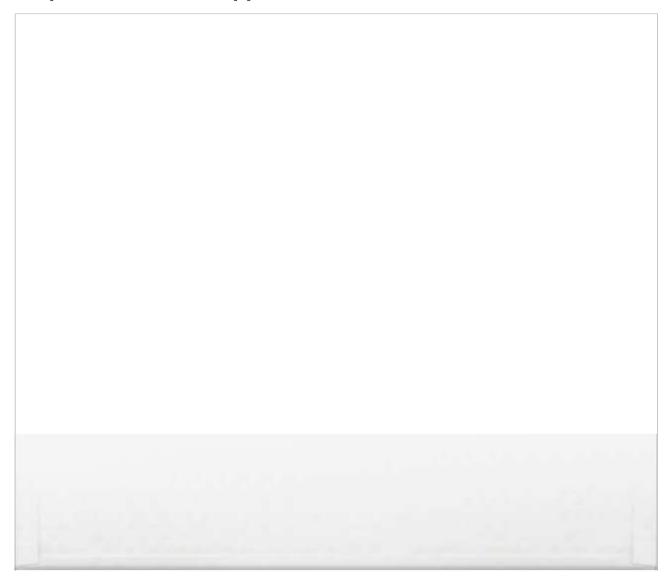
8 x Nylon Cable Ties

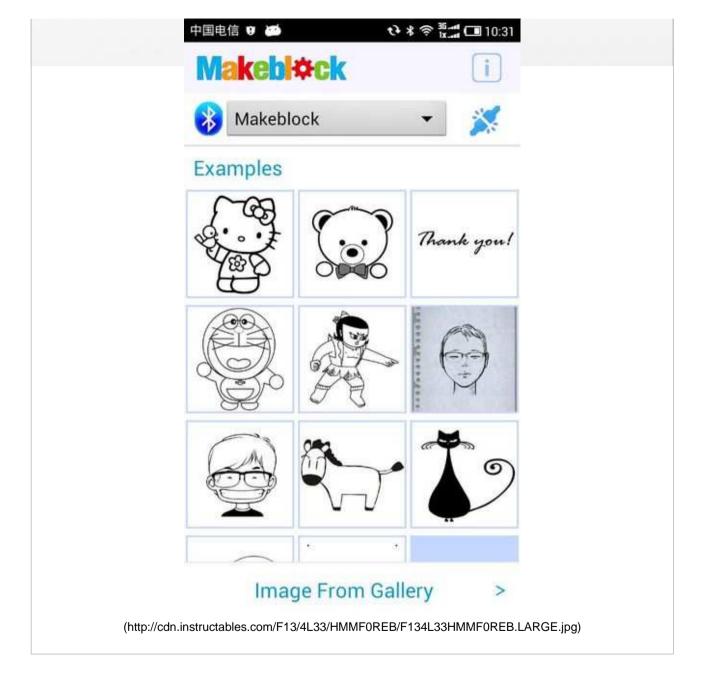
Procedure:

- 1. Install 2 to the Bracket 3x3 on Beam 0824-96 with 2 Screw M4x14 and 2 Nylon Lock Nut M4.
- 2. Install Meduino on Beam 0824-96 with 2 Screw M4x14 and 6 Plastic Ring 4x7x2mm.
- 3. Plug Me-Base Shleld in Meduino.
- 4. Intall Me-Bluetooth.
- 5. Connect the first Me-Limit Switch on the Beam 0824-128 with 2 Screw M4x8.
- 6. Connect the second Me-Limit Switch on the Bracket 3x3 with 2 Screw M4x8

and 2 Nylon Cable Ties.7. Connect the stepper motors to the stepper motor driver connector.8. Connect all the electronic modules with Me-Base Shield.

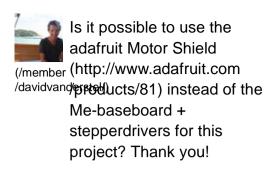
Step 18: XY-Plotter Application for Android





See more details about the codes and app for Android here (http://forum.makeblock.cc/t/xy-plotter-application-for-andoid/228). It would tell you how to run the XY-plotter by Android app.

Ω				
	We have a be nice comment policy. Please be positive and constructive.	//ade it! A	dd Images	Make Comment
1-40 o 44	(m/id/How-to-make- limit=40&offset=40	•	vith-Makeblock
ls	hilspitler (/member/philspitler/) s there a Processing App that will allo	6 days a w me to send ir	.5	(CHGMOUGI1CC0ATX) the plotter?
	t seems like the Processing sketch is just for gCode and the Android App can send images.			
1	would love to have Processing send images from my laptop.			
А	ny ideas?			
Т	hanks.			
Р	hil			



link- (/member/link-/)

7 months ago

Reply (CI18P7LHSE95BUC)

i made the plotter but i have a problem with the rods and the sliders seem to be (/member sticking and not moving well so my image gets messed up. can someone please help?

Reply (CTNV9JOHYTNUQV3) kavish007 (/member/kavish007/) link- 2 months ago Hey, I am planning to make xy plotter. Were you successful in making this (/member .

/kavish007/)

cyclopedia (/member/cyclopedia/)

2 months ago

Reply (CYX1DONHYHGIK6W)

/link-/)

(/member i was making the x-y plotter with other parts(acrylic etc.). its design is somewhat /cyclopedia/) different. but the stepper motors are the same. will this code work for it?

luis.gonzalez.9809672 (/member/luis.gonzalez.9809672/)

how much load can I put over the moving

2 months ago

Reply (CY3M9KBHY3Z8W6T)

(/member car? /luis.gonzalez.9809672/)

sammccants (/member/sammccants/)

7 months ago

Reply (CJLCGJVHS9Y7ZTP)

Hello! I managed to get it put together as instructed with a few minor hiccups, but (/member now that it's all assembled I tried to use it with GCode and nothing happened, /sammccants/) aside from the me-limit switches blinking. has anyone else had this issue?

jlp6k (/member/jlp6k/)

9 months ago

Reply (CEGFOEEHQJDT05N)

I just started to assemble the kit and I have an issue on step 10. My assembly (/member looks exactly as in pictures but the Y shafts seems to be too short. /jlp6k/)

I have double-checked everything... any advice from the community?

partyzan (/member/partyzan/) jlp6k 8 months ago

Reply (CFP4W9SHQVLC54R)

I have the exact same issue, the only solution I can think of is moving the (/member brackets forward to compensate but I still don't understand why it is /partyzan/) different from the instructable :/

pyrokidd89 (/member/pyrokidd89/)

10 months ago

Reply (C70JL56HOTJ2E5S)

what is the resolution of the plotter?

(/member /pyrokidd89/)

avtech (/member/avtech/)

1 year ago

Reply (CDWWBS6HN386S7I)

Any Chance of an iOS app?

(/member /avtech/) 11 months ago

Reply (CL583DAHO238IV9)

/indream/)communication.this project can only support bluetooth 2.0, Maybe makeblock will be add the BLE module or WIFI module

eumorpurgo (/member/eumorpurgo/)

1 year ago

Reply (CDCD3J9HMKLNDEG)

Hello!

(/member i finished to build the xy plotter, now where do i find the source code and the APP /eumorpurgo/send picture from a Android smart phone?

thank you eugenia

indream (/member/indream/) eumorpurgo

11 months ago

Reply (CSIA68LHO238IV4)

http://forum.makeblock.cc/t/xy-(/member plotter-using-gcode-interpreter/256 /indream/) or http://forum.makeblock.cc/t/xyplotter-application-for-andoid/228/

alegiaco (/member/alegiaco/)

1 year ago

Reply (C2G1GW9HMMF4Y78)

Hei, I would buy it, but without the software is USELESS. Where is the code?

(/member /alegiaco/) /t/xy-plotterapplicationfor-andoid/228/ 11 months ago

Reply (CW8QFQPHO238IV1)

Hiram (/member/Hiram/)

1 year ago

Reply (CG9C8ODHMK7F7SC)

Hello. I'm not a programmer at all and I wonder if I buy the electronic kit + (/member mechanics, accompanying programs are sufficient to operate the robot who paints? I have also a Windows PC? thank you



/askjerry/)

askjerry (/member/askjerry/)

1 year ago

Reply (CYWU5QZHLZRS2XK)

I have seen the **Makeblock** before on other projects...

MUSIC (http://www.instructables.com/id/Making-Music-with-Makeblock/) ROBOT #1 (http://www.instructables.com/id/A-New-Way-to-Make-an-Aluminium-Alloy-Robot/) ROBOT #2 (Walle) (http://www.instructables.com/id/Makeblock-Walle/)

It looks like a very useful building system... it started out this year (Jan 2013) as a kickstarter (http://www.kickstarter.com/projects/1397854503/makeblocknext-generation-of-construct-platform)... glad to see that it got a good start.

It also looks like they have the plotter on sale as a kit for \$152 now. CLICK HERE (http://makeblock.cc/xy-plotter-kit/) But they also show a second plotter kit... not sure of the difference... perhaps larger. CLICK HERE (http://makeblock.cc/xy-plotter-e-kit/) (\$216)

mathieulj (/member/mathieulj/) askjerry 1 year ago

Reply (C6O0VROHM8DBPZ0)

First kit doesnt come with the electronics. The second one does.

(/member /mathieulj/)

orpheus567 (/member/orpheus567/)

1 year ago

Reply (C0WTZ3JHM8DD3O9)

Nice work...:-)

(/member

/orpheus567/this ship to world wide? because makeblock.cc site can't find my country distributors....



Edgar (/member/Edgar/)

1 year ago

Reply (CC1GN7JHM7PC0PB)

A neat Instructable, and a great idea, Makeblock, very good prices, congratulations, and good luck!

Went to my Blog:

http://faz-voce-mesmo.blogspot.pt/2013/09/cnc-um-livro-uma-cortadora-laser-open.html

muh1967 (/member/muh1967/)

1 year ago

Reply (CW0SG1RHM768H7O)

Hi, very interest, can I buy this project project completely (included H/w and (/member S/W), especially the software must be open source, please. thanks for reply./muh1967/)

scci (/member/scci/)

1 year ago

Reply (C22ROPPHM7PBN1E)

I wanted to do this with my 3d printer, then I realized i'm turning a 3d printer into a (/member 2d printer with less accuracy, limited colors, limited usability, but with a larger print space. Cool project though

saravananeceait1 (/member/saravananeceait1/)

it will be very good materials, i have

1 year ago

Reply (CAWPTA6HLZRDEBT)

(/member

/elabz/)

elabz (/member/elabz/)

(/membemore ideas for the way of this /saravananeceait1/s,i really excatted

1 year ago

Reply (CQ5Y7P1HLZRDCNB)

I thought the commonly accepted name for a "drawing robot" is plotter, no? :)

tootall1121 (/member/tootall1121/)

1 year ago

Reply (C1ILJQ7HLZRVJTQ)

Seems like this stuff is a modern day version of the old Erector sets. Cool device, (/member but there needs to be a quick and easy way to get it to draw whatever you want. /tootall112 Most people won't want to write code and such, but will want the freedom to make it draw anything, at any time. Same with 3D printers, they're not worth much to the average joe until we can easily get it to make whatever.

pcarew (/member/pcarew/)

1 year ago

Reply (CFC4231HLZRVIOS)

Can you position / align the head with the corner/edge of the papaer? (/member What is the drawing resolution? /pcarew/)

alegiaco (/member/alegiaco/)

1 year ago

Reply (C9GYM97HLZRH3JU)

very interesting.

(/member Could you post also the source code for the Arduino?

/alegiaco/)And for the client pc side, what do you use? Processing? something else?

Can you post the source code?

Thanks.

Makeblock

Makerworks (/member/Makerworks/) (author) alegiaco

1 year ago

Reply (CO0XHSLHLZRO8HF)

(/member /Makerworks/)

We are correcting the source code now, and the picture is sending from a Android smart phone by an APP. We will release them soon.

pcarew (/member/pcarew/) Makerworks 1 year ago

Reply (CWVXLJSHLZRVIKU)

Where will you release these?

(/member Thanks /pcarew/)



DoctorWoo (/member/DoctorWoo/)

1 year ago

Reply (C73T8HOHLZRWBKM)

It looks like the parts may be 3D printed. Do you guys have plans (or already have them up somewhere) to release the STL files for them?

Makeblock

Makerworks (/member/Makerworks/) (author)

DoctorWoo

1 year ago

(/member /Makerworks/) The 3D printer may be a plan project. And we will release the STL files soon.

Reply (CNW217HHLZRO8HW)

pcarew (/member/pcarew/) Makerworks

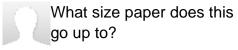
1 year ago

Reply (CYBBY5JHLZRVIKL)

Where/what website will you release or make these available on?

(/member Thanks /pcarew/)

Kelticfox (/member/Kelticfox/)



1 year ago

Reply (C5ZVL6OHM33VOMX)

(/member /Kelticfox/)

Where's the sketch?

TDaddy (/member/TDaddy/)

1 year ago

Reply (CRXX82WHLZRS26S)

(/member /TDaddy/)

Alabalcho (/member/Alabalcho/)

1 year ago

Reply (C597HHHHLZRESK2)

What is the accuracy / repeatability of the setup? Will it be enough to make it into (/member e.g. a laser cutter? /Alabalcho/)

Makeblock

Makerworks (/member/Makerworks/) (author)

Alabalcho

Reply (CL3QQVHHM33VMPU)

(/member /Makerworks/)

Yes, it can be enough to make it into a laser cutter if you change the pen to a laser head.

EoinM17 (/member/EoinM17/)

1 year ago

1 year ago

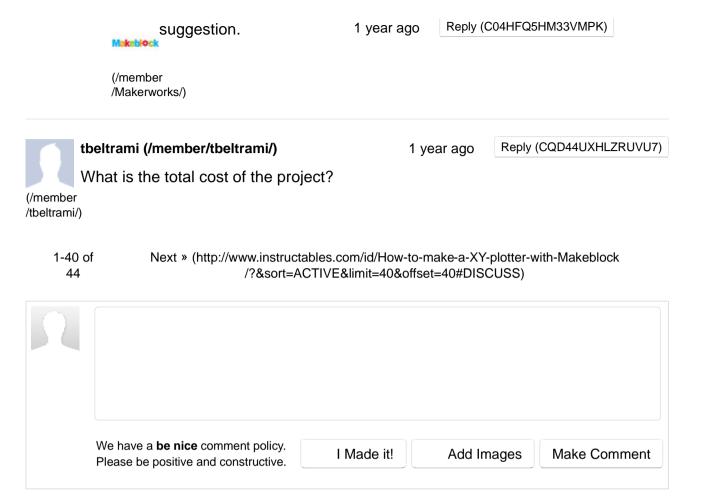
Reply (C91BCELHLZRWMST)

this could probably be modified into a vinyl cutter by putting a cnc vinyl cutter bit (/member like in this instructable http://www.instructables.com/id/DIY-CNC-Graphics-/EoinM17/)cutter-hack/

a (http://www.instructables.com/id/DIY-CNC-Graphics-cutter-hack/)nd a small electric lock or servo to lift the cutter and lower it

Makerworks (/member/Makerworks/) (author) EoinM17

It's a good idea to modified this to a vinyl cutter. Thanks for your





Find Us

Facebook (http://www.facebook.com/instructables)

Youtube (http://www.youtube.com/user/instructablestv)

Twitter (http://www.twitter.com/instructables)

Pinterest (http://www.pinterest.com/instructables)

Google+ (https://plus.google.com/+instructables)

Join! Tumblr (http://instructables.tumblr.com)

English

Resources

Formsearcherside enachersia autodesk.com/adsk/servlet/item?siteID=123112&id=2195972 Privistry i 6tRtesiden tretth/htps://www.cestocters/acls/v/sertilstr/inteneside/http://de.12611/2/8id=21292079 போர் விழ்க்க விருக்க Forums (/communityttyp://usa.autodesk.com/adsk/servlet/pc/index?id=20781545&siteID= © 2014 Autodesk Inc Answers (haghlype-question/?sort=RECENT) Sitemap (/sitemap/)



Download our new apps for iOS, Android and Windows 8!

Android (https://play.google.com/store /apps/details?id=com.adsk.instructables)

iOS (https://itunes.apple.com /app/instructables/id586765571)

Windows (http://apps.microsoft.com /windows/en-us/app/7afc8194c771-441a-9590-54250d6a8300)



Go Pro Today » (/account/gopro?sourcea=footer)



We're Hiring! » (/community/Positions-available-at-Instructables/)