# Gantry

* [[Amazon] V-2020 aluminum extrusion](https://www.amazon.com/OUYANG-Aluminum-Extrusion-European-Standard/dp/B0912PLFRX/ref=asc_df_B0912PLFRX/?tag=hyprod-20&linkCode=df0&hvadid=533110299309&hvpos=&hvnetw=g&hvrand=9250213324270959482&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9021564&hvtargid=pla-1407191491322&psc=1)
  + 500 mm for $30
  + Should work with the wheels we have
* [[Amazon] Official Creaility Ender 3 Printer](https://www.amazon.com/Comgrow-Creality-Ender-Aluminum-220x220x250mm/dp/B07BR3F9N6/ref=sr_1_7_sspa?keywords=creality+ender+3+parts&qid=1643757106&sr=8-7-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyM0hQQkhVMU82VFBEJmVuY3J5cHRlZElkPUEwNDg0MDg4MVg3VzUwVVg0VE45USZlbmNyeXB0ZWRBZElkPUEwMTI3NDA5RVhHNldQSk9GRlo5JndpZGdldE5hbWU9c3BfbXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ)
  + Full 3D printer that we destroyed
  + $189
* [[Amazon] 3 rollers and face plate](https://www.amazon.com/dp/B09B3N2HBC/ref=sspa_dk_detail_1?psc=1&pd_rd_i=B09B3N2HBC&pd_rd_w=Giwgc&pf_rd_p=9fd3ea7c-b77c-42ac-b43b-c872d3f37c38&pd_rd_wg=tL4h4&pf_rd_r=B5E8E1CAR2ZH8QZWW4EM&pd_rd_r=a20485d0-f6c6-496a-a772-f42a79009bc9&s=industrial&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExT0VCU0JORDVIQThJJmVuY3J5cHRlZElkPUEwMTc5NTc1MlFYUFBHRzMxSFdYQSZlbmNyeXB0ZWRBZElkPUEwMjg4Mzc0MThNU0ZOVkkzMkkxQiZ3aWRnZXROYW1lPXNwX2RldGFpbCZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU)
  + $6
* [[VXB] V-2020 aluminum extrusion](https://www.vxb.com/Black-Anodized-Aluminum-V-Slot-Extrusion-Profile-p/Anodized-Plate-Set-1000mm-Rail.htm?gclid=Cj0KCQiA0eOPBhCGARIsAFIwTs6cOgKTMgYH9eSOSFILf5XyPjj2FIrOVw5cM9hvtREeZeDy6mA5_DkaAocpEALw_wcB)
  + 1000 mm for $40
  + Comes with face plate + 4 rollers

Adjustable screen prototype

⅜ - 16 Threaded rod - <https://www.mcmaster.com/98957A132/>

Plastic Threaded Inserts - https://www.mcmaster.com/90742A111/

Friction materials

⅛ PTFE balls - <https://www.mcmaster.com/9660K13/>

⅛ NYlon balls - <https://www.mcmaster.com/9613K13/>

1” by 15’ Teflon tape - <https://www.mcmaster.com/6305A12/>

12” x 12” x ⅛” Felt x 2 - <https://www.mcmaster.com/2842T21/>

8 x 10 x ⅛ Glass sheet x 2 - <https://www.mcmaster.com/8476K714/>

# Open-Chain Linkage

5 mm linear shaft, 200 mm length, QTY1 - <https://www.mcmaster.com/1265K44/>

Ball bearings, 5 mm shaft, QTY8 - <https://www.mcmaster.com/7804K106/>  
Low-friction thrust bearing, QTY12 - <https://www.mcmaster.com/8920N26/>  
Shaft collars, 5 mm diameter, QTY8 - <https://www.mcmaster.com/3761N102/>