List of parts for IndyMill by Nikodem Bartnik Quantity Part name BangGood Comment Nema23 Stepper moto https://bit.ly/3iBTGvk https://bit.ly/2Y0Bnrl TB6600 stepper drivers https://bit.ly/33VQFSs https://bit.ly/2PSt2IG Arduino UNC https://bit.ly/3gVqtLs https://bit.ly/2FeDxxo Power supply https://bit.ly/30RaqZA https://bit.ly/3kJOtDu AC Socke https://bit.ly/30Tk2mr https://bit.ly/30REsfK Cables https://bit.ly/2PQ2qlc https://bit.ly/3kH9TBh 4 pin connectors https://bit.ly/30UUpSi https://bit.ly/3am7dUU I used that to connect stepper motors through electronics case, use other connectors if you want 500W Spindle https://bit.ly/3gVpcnx https://bit.ly/3iCR4NJ Choose a spindle that will work best for you. I recommend 500W spindle for beginners, if you are already experienced or not afraid to go BIG go with 1.5kW spindle (that's some serious power!). For 1.5kW spindle you will also need an inverter. 1.5kW Spindle https://bit.ly/3kGN4O7 https://bit.lv/2PMiLHE Inverter for 1.5kW Spindle Mechanics Part name Quantity BangGood Aliexpress Comment Aluminium profile 20x40 mm 600 mm https://bit.ly/30VoyRv You will most likely need to buy longer pieces of aluminium profiles and cut them to a proper length, Aluminium profile 20x40 mm 666 mm https://bit.ly/2XYn3QE https://bit.ly/3kC0ZoJ if you want to build, bigger machine you just have to change lengths of those items, everything else Aluminium profile 20x80 mm 600 mm https://bit.ly/2Y03gQL https://bit.ly/2PRw7Cs Trapezoidal lead screw 220 mm https://bit.ly/2PS5r4C https://bit.ly/31Nef0Z Ball Screw SFU1605 650 mm https://bit.ly/3fR7yQJ https://bit.ly/33X9uET Ball Screw SFU1605 600 mm https://bit.ly/2PQIXkg https://bit.ly/33X9uET Linear Rail MGN12 650 mm https://bit.ly/2DSsF85 https://bit.ly/2XY4ADA Linear Rail MGN12 600 mm https://bit.ly/2DSsF85 https://bit.ly/2XY4ADA Linear Rail MGN12 200 mm https://bit.ly/2DSsF85 https://bit.ly/3fWvn9N Linear Rail Block MGN12H 12 https://bit.ly/3gVz94w https://bit.ly/3gVSOBm 6000RS bearing 3 https://bit.ly/30RjJsl https://bit.ly/30Uv0by 51101 thrust bearing https://bit.ly/30TeQil 6201RS bearing https://bit.ly/3h7TWSF https://bit.ly/2E44Tpj 608zz bearing https://bit.ly/33Wh6Hz https://bit.ly/2XYrk6t 8 to 10mm couple https://bit.ly/30SUCoV https://bit.ly/3gWQAS3 Closed GT2 Belt 200mm https://bit.ly/3aoq69M https://bit.ly/2Yfwmfl GT2 8 mm Pulleys 2 https://bit.ly/31Ms1RH https://bit.ly/31KuTym Trapezoidal lead screw lock colla https://bit.ly/2Fn9y6E https://bit.ly/3gVOySf Corner connectors 2 https://bit.ly/3fVVIVc https://bit.ly/3kGldfO M3x16 mm screws 10 https://bit.ly/31QrePG https://bit.ly/3fUVyh1 M3x10 mm screws 48 https://bit.ly/31QrePG https://bit.ly/2PSy3e0 M3x8 mm screws 26 https://bit.ly/31QrePG https://bit.ly/30TJGHN M3 T nut 22 https://bit.ly/2E5v3rN https://bit.ly/30WttBP M5x20 mm screws 8 https://bit.ly/31PSNZh https://bit.ly/2CnrOvo M5x16 mm screws 22 https://bit.ly/31PSNZh https://bit.ly/2CnrOvo I counted every single screw that you need for this project, but just in case it's always a good idea to M5x12 mm screws 28 buy some more :) https://bit.ly/31PSNZh https://bit.ly/2CnrOvo M5x10 mm screws 4 https://bit.ly/31PSNZh https://bit.ly/2CnrOvo M5 T nut 20 https://bit.ly/2FnQDIX https://bit.ly/30WttBP M5 nut 24 https://bit.ly/31Sl3KX https://bit.ly/2PSv710 M6x12 mm screws 20 https://bit.ly/3fWm2yL https://bit.ly/2E1ev4t M12x1 fine thread nut Steel Plates Part name Quantity X Axis.dxf Y Axis Right.dxf Y Axis Left.dxf Z Axis Motor Support.dxf Z Axis Rail Support1.dxf Z Axis Rail Support2.dxf You can find all DXF files at indystry.co Motor Support Right.dxf Motor Support Left.dxf Screw Support Right.dxf Screw Support Left.dxf 500W Spindle Plate 3D printed Part name Quantity 6000 holder.stl X axis ball screw holder.stl X axis nut holder.stl Y axis ball screw holder.stl You can find all STL files at indystry.cc Y axis nut holder left.stl Y axis nut holder right.stl Z axis nut holder.stl Z axis bearing holder.stl Tools Part name BangGood Aliexpress Comment 3D printer https://bit.lv/2PMaOSO https://bit.lv/3aTA19S Тар https://bit.lv/3iAsTzB https://bit.lv/2E5QR6D Cordless drill https://bit.ly/2DYbVMs https://bit.ly/2PPQ8t1 Some useful tools that you may need while building the IndyMill Angle grinder https://bit.ly/2XW7Dw4 https://bit.lv/3iwmXHQ Crimper tool https://bit.lv/3fWr7HI https://bit.ly/31OtKWC Soldering iron https://bit.ly/3gZFxYs https://bit.ly/2DOij9e Milling bit for wood https://bit.ly/3g2AWDL https://bit.ly/3aktoLe milling bit for aluminium/acrylic https://bit.ly/31Ok1zA https://bit.ly/33WKTQx Milling bits that I often use 6mm single flute https://bit.ly/3alCHup https://bit.ly/33WKTQx