

Platform CNC

BILL OF MATERIALS

This is a list of all of the components that you will need to source to build the Platform CNC. (The item links will take you directly to the item on the vendor's site).

GRÜNBLAU DESIGN STUDIO

\$1,960.00

Item Description	Required	Cost Per	Total Cost
Grünblau Platform CNC Kit	1	\$1,960.00	\$1,960.00

CNC Router Parts

\$1,995.00

Item Description	Required	Cost Per	Total Cost
CNCRouterParts Platform CNC Parts Bundle	1	\$1,595.00	\$1,595.00

Included in the Basic Bundle

- T-slot Aluminum Extrusions
- (200) 5/16"-18 T-Nuts
- Gecko G540
- (4) NEMA 23 320 oz in steppers
- 48V 12.5A switching power supply
- (2) 6', (1) 12' and (1) 20' motor cables
- 10 Foot Parallel Port Cable
- (16) V-Groove Bearings and Bushings
- (8) Bearing Blocks and Covers
- (4) Dumpster ACME Nuts (5 Start)
- (4) Oldham Style Motor Couplers
- (9) 1/2" Needle Thrust Bearing Kits
- (5) 1/2" Shaft Collars
- Emergency Stop Switch
- (6) Limit Switches

Included in the Complete Bundle

(In addition to all of the items above)

- All required fasteners
- ACME screws, cut to length
- Cable carrier
- Steel leveling feet
- 110V 80mm Cooling Fans
- Power Switch
- Power Cords

+ \$400.00

[Spindle Mount \(Optional\)](#)

(Depends on your spindle and application)

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This page includes everything you need!!

Cost of Parts

\$3,955.00

Platform CNC

BILL OF MATERIALS (If you wish to source the parts separately)

This is a list of components that are now included in the Complete Platform CNC Bundle from CNC Router Parts. Only required if you get the Basic Bundle.

McMaster Carr

\$455.90

Item Description	Length	Required	Per Pack	Cost Per	Total Cost	(+ shipping)
Threaded Rod						
99030A704 6"X1/2"-10 ACME, 5 Starts	72"	3		\$63.34	\$190.02	
Machine Feet						
6111K521 Swivel Leveling Feet		4		\$14.13	\$56.52	
Fasteners						
5/16"-18 Button Head						
91255A578	1/2"	46	50	\$8.15	\$8.15	
91255A580	5/8"	118	50	\$10.26	\$30.78	
91255A583	1"	42	50	\$10.33	\$10.33	
92220A227	2"	10	5	\$4.81	\$9.62	
92316A597	3"	2	25	\$13.22	\$13.22	
95479A115	Nuts	43	50	\$9.43	\$9.43	
1/4"-20 Button Head						
91255A540	3/4"	16	50	\$9.01	\$9.01	
91255A546	1-1/2"	8	10	\$7.70	\$7.70	
91026A029	Nuts	14	25	\$8.80	\$8.80	
1/4"-20 Flat Head						
91253A537	1/2"	4	50	\$10.70	\$10.70	
1/4"-20 Hex Head						
92316A548	1-3/4"	4	50	\$8.96	\$8.96	
#10-24 Button Head						
91255A240	3/8"	44	100	\$13.06	\$13.06	
#8-32 Button Head						
91255A196	5/8"	21	50	\$7.50	\$7.50	
90480A009	Nuts	21	100	\$1.49	\$1.49	
M3 Hex Head Screws						
91280A104	8MM	17	100	\$7.57	\$7.57	
90592A009	Nuts	17	100	\$1.04	\$1.04	
36" Cable Carrier (optional)						
55835K96 (Carrier)	(What I used on the prototype)	3'		\$14.18	\$42.54	
55835K124 (Carrier Ends)				\$9.46	\$9.46	

Power Cord Microcenter / Digikey

\$3.18

Item Description	Length	Required	Cost Per	Total Cost	(+ shipping)
Power Cord	10'	1	\$15.99	\$15.99	
Cheap Cord	6'	1	\$3.18	\$3.18	

Power Switch DigiKey

\$7.28

Item Description	Required	Cost Per	Total Cost	(+ shipping)
Power Switch	1	\$7.28	\$7.28	

Coolmaster 120V Fans Amazon

\$16.80

Item Description	Required	Cost Per	Total Cost	(+ shipping)
Cooling Fans	2	\$8.40	\$16.80	

Cost a la carte from various vendors (not including shipping)

\$499.15