

Component	Price USD	Supplier	Link (url)	Prime? 1/0	Comment							
ender 3	169.99	comgrow amazon	https://www.amazon.com/Comgrow-Creatly-Ender-Aluminum-220x220x250mm/dp/B07BR3F9N6/ref=sr_1_1		1	reuse if you already have						
Modular Y Carria	25.99	befenbay amazon	https://www.amazon.com/gp/product/B082ZZ9LSV/ref=ox_sc_act_title_1?smid=A3C0HXp4AGBIOG		1	add to existing plate on ender to double thickness and improve stiffness.						
Variac	57	Yusanaga amaz	https://www.amazon.com/gp/product/B0FCSGM2CX/ref=ox_sc_act_title_2?smid=A2Y9HFRRZJT33B		0							
110-240 V step u	69.99	Yinleader amazo	https://www.amazon.com/gp/product/B07SZFF97X/ref=ox_sc_act_title_3?smid=A1LGU46BH79P7G		1							
1200 watt flex sh	79.99	Vevor amazon	https://www.amazon.com/gp/product/B0DSK8LN4Z/ref=ox_sc_act_title_4?smid=A2EWGCZPTX9ERE		0							
second Z axis sc	25.99	Comgrow amazon	https://www.amazon.com/gp/product/B07VJG4ZCG/ref=ox_sc_act_title_8?smid=A2ALB3RMNIRLH8		1							
X axis linear rail t	27.99	Creatly amazon	https://www.amazon.com/gp/product/B0C7QJMMBW/ref=ox_sc_act_title_7?smid=A14COELW35RHHN		1							
Z axis linear rail t	52.99	Box3d amazon	https://www.amazon.com/gp/product/B0BMK2V7MJ/ref=ox_sc_act_title_6?smid=A3RFW7W2S842X5		1							
Y axis linear rail t	52.99	box3D amazon	https://www.amazon.com/gp/product/B0BMK5MBMJ/ref=ox_sc_act_title_5?smid=A3RFW7W2S842X5		1							
1/2" arbor hole 0.	17.76	Mcmaster	https://www.mcmaster.com/3044a58/		1	can be purchased for ~6 USD / piece from malco directly. typically lasts ~100 hours printing in aluminum.						
Total USD	580.68											

you will need to print a wire spool holder and some way to hang or otherwise support the grinder motor.

You may also want to enclose the printer, as it tends to be quite noisy, like a table saw. it also produces some swarf and debris as in grinding or sawing. if you use this printer unenclosed you do so at your own risk and should wear adequate hearing and eye/face/body protection while it is in operation.

Custom Parts (PCBWayPrices)

SK 25 spindle ho	70.48		Payment method	PayPal				
Arbor clamp for S	34.53		Shipping method	DHL(DTP)				
Rotoforge 6mm s	36.64		Country of origin	China				
Rotoforge wire gi	33.9		Order information					
Wire guide shoe	35.2		Part No. and description	HS CODE	Size (mm)	Qty	Unit price (USD)	Amount (USD)
			Bicycle Part Universal for bicycle specific spare parts Material:Aluminum SK25 v5 No. :C-CN6W979705A	8714998000	30.00x60.00x76.00	2 (pcs)	70.48	140.96
			CNC Lathe Replacement Arm Universal for parts used in CNC machine t ools Material:Alloy steel sawbladeclamparborand v2 No. :C-CN6W979705A	8466936060	18.00x8.50x17.87	2 (pcs)	34.53	69.06
			CNC Lathe Replacement Arm Universal for parts used in CNC machine t ools Material:Alloy steel Rotoforgelabor v4 No. :C-CN10W979705A	8466936060	18.00x22.00x17.87	2 (pcs)	34.64	69.28
			CNC Lathe Replacement Arm Universal for parts used in CNC machine t ools Material:Aluminum Rotoforgewguidambracket v7 No. :C-CN11W979705A	8466936060	54.00x17.00x48.00	2 (pcs)	33.90	67.80
			CNC Lathe Replacement Arm Universal for parts used in CNC machine t ools Material:Stainless steel rotoforgewguide v4 No. :C-CN13W979705A	8466936060	11.00x50.25x48.21	5 (pcs)	35.20	176.00
			Summary					
			Total products amount (USD)					\$523.10
			Total Freight cost (USD)					\$37.31
			DTP service fee (USD)					\$10.54
			Bank fee (USD)					\$41.10
			Duty & Tax (USD)					\$340.00
			Total (USD)					\$952.05

Total Mod Cost:

791.43