	Product Name	Description	Amount	Company	Country of order	Link	Price/Piece	Total Amount
Check	Profiles							
	Cover caps for profile	Profilabdeckkappe 30 B-Typ Nut 8 Item number: 66802-1	4	dold-mechatronik	Germany	https://www.dold-mechatronik.de/navi.php?a=1585&lang=eng	0,52	
	Angel for hold profile	Winkel 30 B-Typ Nut 8 mit - Item number: 66901-BS	22	dold-mechatronik	Germany	https://www.dold-mechatronik.de/navi.php?a=1597&lang=eng	1,3	
	Turinghinge	Gelenk 30 B-Typ Nut 8 mit Befestigungssatz für Nut- und Kernmontage Item number: 67205-BSNK	2	dold-mechatronik	Germany	https://www.dold-mechatronik.de/navi.php?a=5164&lang=eng	11	
	Extrusions/profil 122 mm	Aluminiumprofil 30x30 B-Typ Nut 8 122 mm	3	dold-mechatronik	Germany	https://www.dold-mechatronik.de/navi.php?a=36861&lang=eng	1,06	
	Extrusions/profil 300 mm	Aluminiumprofil 30x30 B-Typ Nut 8 300 mm	2	dold-mechatronik	Germany	https://www.dold-mechatronik.de/index.php?a=32021&lang=eng	1,95	
	Extrusions/profil 327 mm	Aluminiumprofil 30x30 B-Typ Nut 8 327 mm	2	dold-mechatronik	Germany	https://www.dold-mechatronik.de/navi.php?a=36861&lang=eng		
Check	Electronics	Description	Menge	Company		Links		
	Arduino Mega	computersystem for running spinningwheel	1	Arduino	Italy	https://store.arduino.cc/mega-2560-r3	35	
	Motor_NEMA17	Hybrid Stepper Motor for 3D Printer	5	Robotshop	Canada	https://www.robotshop.com/en/hybrid-stepper-motor-3d-printer.html	11,92	
	End stopper	Micro limit switch	2	opencircuit	The Netherlands	https://opencircuit.shop/Product/11356/5A-Micro-limit-switch-met-roller	1,95	
	PC power supply (ATX) + cable	420W, Akyga AK-B1-420	1	Ebay	Polen	46&targetid=594242670649&device=c&adtype=pla&googleloc=9061132&poi=	22,54	
	Driver modules	Pololu, based on A4988	4	Pololu	USA	https://www.pololu.com/product/1182	4,95	
	Motorshield - RAMPS 1.4 shield	Motorshield for aduino Mega	1	Amazon	Germany	y=c&hvdvcmdl=&hvlocint=&hvlocphy=1003854&hvtargid=pla-683507252528&	9,99	
	Heat sinks	Heat Sink 8.8mm x 8.8mm x 5mm	5	Amazon	????	er-Radiator/dp/B075D6KLNB/ref=sr_1_2?keywords=Heat+Sink+8.8+mm+x+8.8+	0,46	
	Conectores	female to female - 3-pin	2	Opencircuit		https://opencircuit.shop/Product/10341/70cm-3pin-Female-Female-kabel	3,95	
	Conectores	female to female - 4-pin	5	Opencircuit	The Netherlands	op/Product/12856/Grove-4-pin-Female-Jumper-to-Grove-4-pin-Conversion-Cat	5	
	Heat-shrink Tubing	Holding in place wire	1	Opencirculit	The Netherlands	s://opencircuit.shop/Product/13692/Heat-shrinkable-tube-kit-multicolour-40p	3,95	
Check	3D parts	Description	Menge	Company		Links		
	Cone	Cone for the Yarn	1					
	Ring	Ring for yarn leader	1					
	Drafting system cylinders	Cylinders printed in Soft PLA fillament	6					
	Cone holder	Holder for cone and spindle	1					
	Lasercutting parts							
	Belt pulley protection S		1					
	Drafting system protction Left		1 LEFT					
	Drafting system protction Right		1 Right					
	Spindle platform		1					
	Ring Holder		1					
	traveler		1					
	Bearing holder		1					
	Yarn leader		1					
Check	screws, bolts	Description	Menge	Company		Links		
	Cylinder hex screw	M4x10	8	hardware store				
	Cylinder hex screw	M4x25	8	hardware store				
	Crosshead screw M4	M4x30	30	hardware store				
	Crosshead screw M4	M4x50	4	hardware store				
	Crosshead screw M3	M3x35	4	hardware store				
Check	Nuts	Description						
	M4 Nuts	M3 Nuts	a lot	hardware store				
	M4 Slotnuts	slotnuts M4	a lot	hardware store				
	M3 Nuts	M3	8	hardware store				
	DIN 315-M4-GT-C-N/ Wing nut	wingnut	3	hardware store				
	T-slot nut M4	Profile 30x30 (be sure you order how fit in the profile)	20	dold-mechatronik		https://www.dold-mechatronik.de/index.php?a=27922&lang=eng		
	Washer	DIN 988-S9x15	34	hardware store				
Check	Others	Description						
	Stepper motor 'L' bracket 50mm	Mounting bracket	2	opencircuit	The Netherlands	https://opencircuit.shop/Product/11056/Stepper-motor-L-bracket-50mm	3,95	
	Belts	188 mmxwide belt 6 mm	2	Amazon	???	amazon.de/gp/product/B075742FB9/ref=ppx_yo_dt_b_asin_title_o01_s00?ie=	8,99	
	G2 theeth pulley	GT2 20 teeth pulley - 8mm as	2	Adafruit	USA	https://www.adafruit.com/product/1252	7,95	
	G2 theeth pulley	GT2 20 teeth pulley - 5mm as	2	opencircuit	The Netherlands	https://opencircuit.shop/Product/10949/GT2-20-teeth-pulley-5mm-as	2,5	
	Flex shaft coupling	Flex shaft coupling Diameter from A=5mm to B=8mm	3	Amazon	Germany	kverbinder/dp/B07D9JWNFC/ref=sr_1_3?__mk_de_DE=%C3%85M%C3%85%C5		
	Ball bearing	d = 8 mm D=22	1	MAEDLER	Germany	https://www.maedler.de/Article/608-ZZ-MAE	1,18	
	sleeve mounted bearings 8mm	Item number: KP-08-ST	6	Amezon		ugellager-express.de/silver-series-miniature-plummer-block-housing-unit-kp08-	2,96	
	Lock Collar	T8 Lead Screw Lock Ring Block	6	Amezon	Germany	r-Openbuilds-Lock-Collar/dp/B07P39NMPB/ref=sr_1_6?keywords=shaft+collar	9,2	
	L bracket	To close the machine	2	Hardware store				
	Theaded Rode	2 x 25 cm / Diameter 8mm + Lead screw for Rode 2x	2	Amezon	Germany	ords=threaded+rod+M8&pd_rd_i=B07GRWL443&pd_rd_r=f1b2c883-e70d-4201	16,99	
	Shafts for 3D printer	diameter 8 mm -length 100 mm	3	Reprapworld	Germany	rid=sJyOvCho1_dc|pcrid|191801720052|pkw||pmt||slid||prid|912&pgrid=50	2,43	
	Shafts for 3D printer	diameter 8 mm -length 120 mm	3	Reprapworld	Germany	rid=sJyOvCho1_dc|pcrid|191801720052|pkw||pmt||slid||prid|912&pgrid=50	2,5	
	USB-A to Mini USB cable	A-Male to B-Male Cord - or use your printer cabel ;)	1	Opencircuit	The Netherlands	https://opencircuit.shop/Product/10611/USB-2.0-kabel-type-B-50cm-blauw	1,65	
	PC power supply (ATX) + cable		1	Opencircuit	the Netherlands	tps://opencircuit.shop/Product/11294/Voedingskabel-1-meter-3-aderig-zwart	2,95	
	theeth pully	XL 20 Teeth 5mm Bore	1			nchronous-Printer/dp/B07G727C17/ref=sr_1_7?keywords=20%2Bteeth%2Bpu		
	theeth pully	XL 10 Teeth 8mm Bore	1			ng-Pulley-Flange/dp/B0747G2D4S/ref=sr_1_8?keywords=10+teeth+pulley+8mm		
	belt	80XL - Pulleys 10mm Width	1			Timing-Synchronous-Pulleys/dp/B07HBYSHDT/ref=sr_1_2?keywords=80XL+belt		