

Ready made parts									
Accessories									
Production Name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Vacuum Pump (optional)	Double Piston Vacuum Pump RS 550 A Oil-Free Vacuum Pump	1	€200.00	€200.00	€0.00	link			
Air Compressor	Airbrush AS-48A or equivalent	1	€180.00	€180.00	€0.00	link			
Coolant System (optional)	BZT Minimalmengenschmierung MDM	1	€213.00	€213.00	€0.00	link			includes air and coolant pipes
Foot Switch	240V Eco Line Comfort Switch Adapter	1	€11.13	€11.13	€2.99	link			
Radial Fan (optional)									
Vacuum Chamber (optional)	1.2 with valve and connectors	1	€42.00	€42.00	€0.00	link			needs to be drille with an output
Vacuum Filter (optional)	Universal gas (benzin) filter 6/8mm	1	€3.00	€5.00	€0.00	link			
Dot Sticker		2							
Cable Tie		1							
Teflon Tape		1							
Air Valve Label									
Linear Guide Cap		20							
Safety Stickers									
Rubber Cord									
Electrics Electronics									
Production Name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Router	Mafell 9M0401 milling motor FM 1000 PV ER	1	€250.00	€250.00	€0.00	link		Cable needs to be extended	alternative a manual spindel can be used
Power Supply	24V 20A LED form factor	1	€33.00	€33.00	€0.00	link		Test	
Motor Driver	DM556T	3	€28.00	€84.00		link		Test	
Motor	Dual Shaft Nema 24 Stepper Motor 4.2A 4Nm 24HS39-4204D	3	€40.00	€120.00	€8.00	link		Cables need to be extended	
USB Cable Inside	Panel mount USB B	1	€2.59	€2.59	€2.49	link			
USB Cable	3m shielded, 90 connector	1	€2.19	€2.19	€0.00	link			
Power Cable	PC Power Cable	1	€4.50	€4.50	€0.00	link			
Fuse	6.3A 5x20mm	2	€0.29	€0.57	€0.00	link			
Y-chain	Cable Chain 15x30mm 1 meter	2	€13.74			link			
X-chain	Cable Chain 10x20mm 1 meter	2	€12.09			link			
Controller PCB	Teensy 4.1 + Our custom shield	1							
Router PCB	Digital Analog Converter - 3.3V PWM Signal to 0-10V Voltage Converter D/A Digital Analog PLC Module	1							
Relay	Arduino Relay module blue	1							
Cable Gland	M20	5							
Relay Jumper M-M		1							
Cable Connector		1							
Emergency Button	same as Fabulaser with Key	1							
Cable Wrapper Bottom		1							
Cable Wrapper Top		1							
Air/Hydraulics									
Production Name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Air Valve	Mini Ball Valve Size 1/4 Inch Inner x External Thread (female-male)	4	€6.50	€26.00	€0.00	link			
Air Splitter	5 Way Splitter 1/4	1	€15.00	€15.00	€0.00	link			
Fit Connector	Straight male connector, quick connector, push in 1/4 x 10mm	10	€1.76	€17.60	€0.00	link			
Angle Air Connector	90 angled male connector, quick connector, push in 1/4 x 10mm	1							
Air Tube	Outer diamter 10mm 6 meters	1	€17.00	€17.00	€0.00	link			
Inductive Sensor	Inductive Probe LJ12A3-4-ZIAY	3	€6.00	€18.00	€3.00	link			
Angle Connector	G 1/4 90 degree compact female-male connector	4	€5.00	€20.00	€0.00	link			
Air Cap	G 1/4 Brass socket screw male cap	4	€1.10	€4.40	€2.90	link			
Coolant pipes (optional)									
O Ring		5							
Mechanics									
Production Name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Ball screw Z	1204 300mm with Nut	1	€52.00	€52.00		link			
Ball screw X	1610-3 600mm with Nut	1	€70.00	€70.00	€6.90	link			
Ball screw Y	1610-3 800mm with Nut	1	€76.00	€76.00		link			
Linear Guide Z	MGN12 400mm with 2 carriages type MGN12H (large one)	2	€50.00	€100.00	€0.00	link			about price
Linear Guide X	HGR15RC 560mm	2	€30.60	€61.20		link			
Linear Guide Y	HGR15RC 800mm	2	€40.80	€81.60		link			
Carriage	HGH15CAZA C	8	€25.01	€200.08	€25.00	link			
Screw Block Z	Ball Screw attachment block DSG12 for 1204	1	€8.00	€8.00		link			

Screw Block XY	Ball Screw attachment block DSG16 for 1610	2	€8.00	€16.00	€7.00	link			
Profile 40	Aluminum Profile 40x40 Nut 8 800mm	2	€13.50	€27.00	€10.00	link			
Profile 20-400	Aluminum Profile 20x20 Nut 6 400mm	8	€2.50	€20.00		link			
Profile 20-150	Aluminum Profile 20x20 Nut 5/6 150mm	4	€1.50	€6.00		link			
Brackets	Bracket 20x20 Nut 5	24	€11.00	€11.00	€0.00	link			
Z Bottom Bearing	Angular Ball Bearing 30/8 2RS TN 8x22x11 mm	1	€5.30	€5.30		link			
Z Top Bearing	Angular Ball Bearing 3000 2RS TN 10x26x12 mm	1	€5.70	€5.70		link			
X Right Bearing	5200 2RS TN / 3200 2RS TN 10x30x14 mm	2	€6.30	€12.60		link			
Y Front Bearing									
X Back Bearing									
Y Back Bearing	Angular Ball Bearing 5201 2RS TN / 3201 2RS TN 12x32x15.9 mm	2	€7.00	€14.00	link				
Supporting Bearing	Deep Groove Ball Bearing 6201 2RS 12x32x10 mm	2	€1.30	€2.60	€5.00	link			
Coupler Z	Coupler D25L30 8mm to 8mm	1							
Coupler XY	Coupler D25L30 8mm to 10mm	2							
Manufactured Parts									
Production Name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Motor Driver Logic Cable	3 core 40 cm + F jumpers + 2x M jumper	3							
Sensor Logic Cable	4 core 35 cm + F jumpers	1							
Motor Driver Power Cable	45 cm	3							
Controller PCB Power Cable	60 cm	1							
Sensor PCB Power Cable	35 cm	1							
Router PCB Power Cable	Mafell control cable	1							
Emergency Button Cable	55 cm	1							
Power Plug + Mains Cable	Mains 55 cm	1							
Earth Cable Inside + Earth Cable Outside	Earth Inside 23 cm, Earth outside 100 cm	1							
Relay Jumper F-F	One must be extended	3							
X-endstop sensor	280 cm	1							
Y-endstop sensor	110 cm	1							
Z-endstop sensor	360 cm	1							
Z-height sensor	257 cm	1							
Router Cable	400 cm	1							
Z-motor	410 cm	1							
Y-motor	225 cm	1							
X-motor	280 cm	1							
X-chain Bottom Support	Aluminum bracket 40x30 550mm	1							
Y-chain Top Support	Aluminum bracket 70x30 168mm	1							
Y-chain Bottom Support Front	Aluminum bracket 30x20 190mm	1							
Y-chain Bottom Support Back	Aluminum bracket 30x20 190mm								
Y-chain Bottom Support Side	Aluminum bracket 40x30 885mm	1							
Router PCB Jumper		1							
Router Control Cable		1							
Milled Parts									
Box Bottom Panel		1							
Box Left Panel		1							
Box Back Panel		1							
Box Right Panel		1							
Box Front Panel		1							
Box Top Panel		1							
Base Plate		1							
Base side protection		2							
Base Front	with prefixed Y Front Bearing	1							
Base Back		1							
Bed		1							
Y Back Bearing Holder	with prefixed Y Back Bearing	1							
Shoulder Support Left		1							
Shoulder Support Right		1							

Y Connector Plate		1							
X Plate		1							
Left Shoulder	With bearing holder and bearings(5201&6201) + two screws pre-attached.	1							
Right Shoulder		1							
X Bearing Holder Right	With X Right Bearing prefit	1							
X Bearing Holder Left									
Z Front Plate		1							
Z Top Plate		1							
Z bottom bearing Holder	With Z Bottom Bearing prefix	1							
Z Top Bearing Cover		1							
Middle Plate		1							
Router Holder		1							
Sensor PCB		1							
3D Printed Parts									
Wire Fixer Small		1							
Wire Fixer Big		1							
Z-motor Adapter		1							
X-motor Adapter		1							
Y-motor Adapter		1							
Z Sensor Holder	to be added for an easier attachment of the Z Sensor	1							
Laser Cutted Parts									
Coolant System Holder		1							
Air Splitter Holder		1							
Z-screw Holder		1							
Screw Holder Spacer		5							
X-chain Top Support		1							
X-endstop Sensor Holder		1							
Y-endstop Sensor Holder		1							
Z Side Panel Right		1							
Z Side Panel Left		1							
Fasteners									
Manual name	Specifications	Amount	Current Price	Total	Shipping	Vendor	Label Name	Checks / ToDo	Notes
Hammer Nut M5	Hammer Nut 6 M5 Rotation	81							
C-screw M3-12	DIN 912 M3 12mm	56							
C-screw M3-25	DIN 912 M3 25mm	16							
C-screw M4-8	DIN 912 M4 8mm	4							about price
C-screw M4-12	DIN 912 M4 12mm	6							
C-screw M4-16	DIN 912 M4 16mm	35							
C-screw M4-25	DIN 912 M4 25mm	14							
C-screw M4-30	DIN 912 M4 30mm	16							
C-screw M4-35	DIN 912 M4 35mm	2							
C-screw M5-8	DIN 912 M5 8mm	16							
C-screw M5-10	DIN 912 M5 10mm	2							
C-screw M5-16	DIN 912 M5 16mm	20							
C-screw M5-20	DIN 912 M5 20mm	48							
C-screw M5-25	DIN 912 M5 25mm	12							
C-screw M5-35	DIN 912 M5 35mm	8							
C-screw M5-70	DIN 912 M5 70mm	4							
C-screw M5-80	DIN 912 M5 80mm	4							
C-screw M6-12	DIN 912 M6 12mm	3							
C-screw M6-16	DIN 912 M6 16mm	4							
C-screw M6-25	DIN 912 M6 25mm	11							
C-screw M6-35	DIN 912 M6 35mm	8							
C-screw M8-25	DIN 912 M8 25mm	4							
C-screw M8-30	DIN 912 M8 30mm	2							
C-screw M8-35	DIN 912 M8 35mm	16							
C-screw M8-40	DIN 912 M8 40mm	12							
C-screw M8-70	DIN 912 M8 70mm	1							
B-screw M5-8	ISO 7380-2 M5 8mm	6							
B-screw M5-12	ISO 7380-2 M5 12mm	9							
B-screw M5-20	ISO 7380-2 M5 20mm	8							

B-screw M6-16	ISO 7380-2 M6 16mm	5							
B-screw M6-20	ISO 7380-2 M6 20mm	10							
B-screw M6-30	ISO 7380-2 M6 30mm	1							
B-screw M8-12	ISO 7380-2 M8 12mm	2							
Hexagon Screw M6-12	DIN 933 M6 12mm	1							
Lock Nut M3	DIN 985 M3	4							
Lock Nut M4	DIN 985 M4	6							
Lock Nut M5	DIN 985 M5	11							
Lock Nut M6	DIN 985 M6	5							
Standoff	Plastic Spacer M3 15mm	10							
Plastic Screw M3-8	Plastic Screw M3 8mm DIN7985 or similar	12							
Washer M3	DIN 125 M3	4							
Washer M4	DIN 125 M4	8							
Washer M5	DIN 125 M5	15							
Washer M6	DIN 125 M6	5							
Washer M8	DIN 125 M8	1							
Washer M10	DIN 125 M10	4							
Washer M12	DIN 125 M2	4							
Washer M8 Big	DIN 9021 M8	1							
Locknut M10 Pitch 1 mm	DIN 985 Fine pitch 1mm	1							
Locknut M12 Pitch 1 mm	DIN 985 Fine pitch 1mm	2							
T-nut 8 M6		12							
Flat screw		3							