

**NOTE: all the costs are in euro, and they include VAT, shipping costs and/or eventually importing taxes for Germany. The costs are approximate and can be subject to changes due to variations of currency exchange rates, quotes from the companies and market availability at the moment of ordering.**

Item	Description	Amount	Vendor	Cost per unit	Total cost:	Note
ZS-1450 laser tube	100W C02 laser source	1	EFR Laser	284€	355€	total cost is with importing taxes included
ES-100 power adapter	C02 power supply	1	EFR Laser	130€	162€	total cost is with importing taxes included
75W DPL-75 laser module	75W Yag laser source	1	Super Laser	700€	875€	total cost is with importing taxes included
I20N DPL power adapter	Yag power supply	1	Super Laser	150€	190€	total cost is with importing taxes included
CW5200 Double Head	Water Chiller	1	Teyuchiller	400€	500€	total cost is with importing taxes included
QSD7527 Q-Driver	Q-Switch power adapter	1	CETC	400€	500€	total cost is with importing taxes included
QSGSU-5 Q-Switch	Yag Q-Switch	1	CETC	300€	375€	total cost is with importing taxes included
HGR15	Linear guides for X,Y	5mt	Hiwin	50€	250€	
T20 lead screws and bras nuts	20mm pitch lead screws and nuts for the Z axis	4 x 1.5mt, 4 x nuts	Dold-Mechatronics	50€	200€	
Pulleys T5 20mm, 16mm and 10mm	Pulleys for X, Y, Z axis	2x20mm, 1x16mm, 1x10mm	Generic	15€	60€	
Belt T5 20mm, 16mm and 10mm	T5 belts for X,Y,Z axis	20mm, 16mm, 10mm, 15mt	Generic	-	200€	
Nema24 stepper motors	Motors for the X,Y,Z axis	3	Generic	30€	90€	
satshakit-mega	Main controller	1	open source electronics	15€	15€	
satshakit-grbl	Secondary controller	2	open source electronics	10€	20€	
satstep6600	Stepper driver	3	open source electronics	15€	45€	
24V 15A power supply	Power supply for the steppers	1	Generic	30€	30€	
20x20, 40x40, 40x80, 30x30, 30x60 Bosch, L profiles	Aluminium profiles for the frame and the housing	approx 50mt summing all the sizes	Generic	1,800€	1,800€	
DIN 912, ISO 7380, DIN 125, DIN 985, DIN 934, Nut8 M4, Nut8 M8, Nut5 M5, Connectors	Screws, nuts and connectors.	-	Generic	-	400€	
608, 628, 638	Ball bearings for the X,Y,Z axis	40	Generic	2€	80€	
PLA	PLA for the printed parts	10Kg	Generic	14€	140€	
POM/Derlin	CNC machines POM for mechanical parts	about 70Kg	Generic	5€	350€	
Laser optics, head, laser path, lenses	Laser accessory for C02 and Yag	-	Generic	250€	315€	total cost is with importing taxes included
P1P12 Filter 6mm	Certified laser protective window	1200mmx900mm	Laservision	1,800€	1,800€	
1.5mm anodized aluminium sheets	Aluminium sheets for the internal enclosure	Approx 10 sqm	Generic	35€	350€	
1.5mm aluminium sheets	Aluminium sheets for the external enclosure	Approx 16sqm	Generic	35€	560€	
Hi10 tablet	Tablet for controlling the machine	1	Chuiwi	150€	150€	
Emergency switches, endstop switches, main switch	Switches for different purposes	10	Generic	-	50€	
2X1, 4X1, power cables, signal cables	Shielded electrical cables	50mt	Generic	-	100€	
Led lights 20W	Led lights for the interior	20	Generic	2€	40€	
Water and air tubes	Plastic water and ir tubes	20mt	Generic	-	50€	
Wheels 100KG M8 Bosch	Wheels to move the machine	8	Generic	10€	80€	
Air compressor 6 bar 4 cylinders	Air compressor for the air assist	1	Generic	130€	130€	
End mills 6mm and 3mm, 25mm drill bit, zip ties, shrinking tubes, electrical tape, special imbiiss key, grabber	Consumables, special tools required to build the machine	-	Generic	-	100€	
				<b>Total:</b>	<b>10,362€</b>	