

## Arduino laser Engraver By MichielD99

Discription	Price for one	Quantity	Total price	Link:
NEMA 17 stepper motor	€ 15.63	2	€ 31.26	<a href="http://www.aliexpress.com/item/Free-Shipping-3D-printer-4-lead-Nema17-Stepper-Motor-42-motor-Nema-17-motor-42BYGH-1/323087216">http://www.aliexpress.com/item/Free-Shipping-3D-printer-4-lead-Nema17-Stepper-Motor-42-motor-Nema-17-motor-42BYGH-1/323087216</a>
Laser module heat sink	€ 4.59	1	€ 4.59	<a href="http://www.aliexpress.com/item/HeatSink-for-12mm-Laser-Modules-Heat-Sink-Holder-Mount/32276812928.html">http://www.aliexpress.com/item/HeatSink-for-12mm-Laser-Modules-Heat-Sink-Holder-Mount/32276812928.html</a>
Stepper motor drivers	€ 5.72	2	€ 11.44	<a href="http://www.aliexpress.com/item/Free-shipping-TB6560-3A-stepper-motor-driver-stepper-motor-driver-board-axis-current-controller-10-files">http://www.aliexpress.com/item/Free-shipping-TB6560-3A-stepper-motor-driver-stepper-motor-driver-board-axis-current-controller-10-files</a>
Power supply	€ 17.24	1	€ 17.24	<a href="http://www.aliexpress.com/item/Free-Shipping-AC110V-220V-to-for-DC-12V-15A-180W-Voltage-Transformer-Switch-Power-Supply-Adapter/">http://www.aliexpress.com/item/Free-Shipping-AC110V-220V-to-for-DC-12V-15A-180W-Voltage-Transformer-Switch-Power-Supply-Adapter/</a>
12mm linear ball bearing	€ 3.14	6	€ 18.84	<a href="http://www.aliexpress.com/item/Excellent-Quality-SC12UU-Metal-12mm-Linear-Ball-Bearing-Pellow-Block-Unit-Motion-Bearing-For-CNC-Lov">http://www.aliexpress.com/item/Excellent-Quality-SC12UU-Metal-12mm-Linear-Ball-Bearing-Pellow-Block-Unit-Motion-Bearing-For-CNC-Lov</a>
Limit switches (buttons)	€ 1.07	1	€ 1.07	<a href="http://www.aliexpress.com/item/5pcs-Red-OFF-ON-NO-2-Pin-SPST-3A-125VAC-Momentary-12mm-Hole-Push-Button-Switch/1830843804.ht">http://www.aliexpress.com/item/5pcs-Red-OFF-ON-NO-2-Pin-SPST-3A-125VAC-Momentary-12mm-Hole-Push-Button-Switch/1830843804.ht</a>
Jaw shaft coupler	€ 1.16	2	€ 2.32	<a href="http://www.aliexpress.com/item/5x10mm-Aluminium-Coupler-Stepper-Motor-Flexible-Coupling-5-to10mm-5-10-Shaft-Coupler-Diameter-18">http://www.aliexpress.com/item/5x10mm-Aluminium-Coupler-Stepper-Motor-Flexible-Coupling-5-to10mm-5-10-Shaft-Coupler-Diameter-18</a>
linear shaft L 500mm 2pcs	€ 1.90	2	€ 3.80	<a href="http://www.aliexpress.com/item/2pcs-3D-printer-rod-shaft-WCS-12mm-linear-shaft-L500mm-chrome-plated-linear-motion-guide-rail/18407">http://www.aliexpress.com/item/2pcs-3D-printer-rod-shaft-WCS-12mm-linear-shaft-L500mm-chrome-plated-linear-motion-guide-rail/18407</a>
Control buttons 6pcs	€ 12.50	1	€ 12.50	<a href="http://www.aliexpress.com/item/6pcs-Lot-Mixed-Group-XB2-BA-6-Colors-Self-reset-Momentary-Flush-Pushbutton-Flat-Push-Button/203033">http://www.aliexpress.com/item/6pcs-Lot-Mixed-Group-XB2-BA-6-Colors-Self-reset-Momentary-Flush-Pushbutton-Flat-Push-Button/203033</a>
12mm shaft support 4pcs	€ 7.58	2	€ 15.16	<a href="http://www.aliexpress.com/item/Pack-of-4-SHF12-12mm-Aluminum-Linear-Rod-Rail-Shaft-Support-CNC-Route-New-S7NF/1171271700.html">http://www.aliexpress.com/item/Pack-of-4-SHF12-12mm-Aluminum-Linear-Rod-Rail-Shaft-Support-CNC-Route-New-S7NF/1171271700.html</a>
ball bearing 4pcs	€ 5.62	1	€ 5.62	<a href="http://www.aliexpress.com/item/4pcs-lot-metal-shield-6000ZZ-steel-ball-bearing-10x26x8-mm-6000-ZZ-bearing-10mm-10-26/1158276436.h">http://www.aliexpress.com/item/4pcs-lot-metal-shield-6000ZZ-steel-ball-bearing-10x26x8-mm-6000-ZZ-bearing-10mm-10-26/1158276436.h</a>
linear shaft L 700mm	€ 2.53	2	€ 5.06	<a href="http://www.aliexpress.com/item/2pcs-3D-printer-rod-shaft-WCS-12mm-linear-shaft-L700mm-chrome-plated-linear-motion-guide-rail/18407">http://www.aliexpress.com/item/2pcs-3D-printer-rod-shaft-WCS-12mm-linear-shaft-L700mm-chrome-plated-linear-motion-guide-rail/18407</a>
Emergency stop	€ 1.86	1	€ 1.86	<a href="http://www.aliexpress.com/item/Red-Sign-Mushroom-Emergency-Stop-Push-Button-Switch/1083567058.html">http://www.aliexpress.com/item/Red-Sign-Mushroom-Emergency-Stop-Push-Button-Switch/1083567058.html</a>
ON/OFF switch	€ 2.29	1	€ 2.29	<a href="http://www.aliexpress.com/item/XB2BD21C-NO-2-Positions-Maintained-Select-Selector-Switch/32276937629.html">http://www.aliexpress.com/item/XB2BD21C-NO-2-Positions-Maintained-Select-Selector-Switch/32276937629.html</a>
Laser driver	€ 6.52	1	€ 6.52	<a href="http://www.benl.ebay.be/itm/321490549133?_trksid=p2060353.m1438.l2649&amp;ssPageName=STRK%3AMEBIDX%3AIT">http://www.benl.ebay.be/itm/321490549133?_trksid=p2060353.m1438.l2649&amp;ssPageName=STRK%3AMEBIDX%3AIT</a>
1,8W laser module + GLAS lens	€ 43.51	1	€ 43.51	<a href="http://www.benl.ebay.be/itm/170644449122?_trksid=p2060353.m1438.l2649&amp;ssPageName=STRK%3AMEBIDX%3AIT">http://www.benl.ebay.be/itm/170644449122?_trksid=p2060353.m1438.l2649&amp;ssPageName=STRK%3AMEBIDX%3AIT</a>
Arduino UNO	€ 20	1	€ 20	<a href="https://store.arduino.cc/product/A000066">https://store.arduino.cc/product/A000066</a>
<b>TOTAL PRICE:</b>			<b>€ 207.80</b>	

### ***From your local DIY company:***

12 mm MDF sheet  
 18mm MDF sheet  
 M10 threated rod 100mm x2  
 Nuts M10 x4

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