

## Parts List (excluding CNC and PLA parts)

As of 1 July 2018

Description	Qty
Stepper Motor NEMA 17 / 76oz-in <a href="#">link</a> or <a href="#">link</a>	3
Linear Steel Rods 12mm X 36in <a href="#">link</a>	6
Linear bearings LM12UU (pack of 10) <a href="#">link</a>	1
Rod Ends Traxxas 5347 (pack of 12) <a href="#">link</a>	1
Aluminum Rods 12in x 8mm <a href="#">link</a>	6
GT2 Belt 6mm width, per foot <a href="#">link</a>	18
GT2 Pulleys Aluminum 20 teeth / 5mm <a href="#">link</a>	3
RAMPs 1.4, drivers, Arduino Mega 2560 <a href="#">link</a>	1
RepRap Smart Controller with SD card slot <a href="#">link</a>	1
End Stops, mechanical <a href="#">link</a>	3
Power Supply 12v DC 360W <a href="#">link</a>	1
14 AWG 15A GND power cord (can come from old printer) <a href="#">link</a> **	1
Power strip <a href="#">link</a> (also serves as power switch) **	1
GT2 5mm Bore Toothless Idler Pulley <a href="#">link</a>	3
SD Card (2gb or above) <a href="#">link</a> **	1
Zipties 4mm nylon (pack of 100, need 50) <a href="#">link</a> **	1
Zipties 2.5mm nylon (pack of 50, need 25) <a href="#">link</a> **	1
Hex Bolts M5 x 0.8 mm Thread, 50 mm Long	3
Lock Nuts M5 x 0.8 mm Thread	3
Fender Washers for 5mm bolts (approx 1.25" OD maximum) *	6
Flat Head Phillips Screws #4 x 0.75" *	25
Hanger bolt 10-24 x 2" overall length (pack of 50) <a href="#">link</a> *	1
#4 3/4" stainless steel machine screw *	5
#4 stainless steel hex nut *	5
#8 3/4" stainless steel machine screw *	3
#8 stainless steel hex nut *	3
<i>The following items are for ceramic/paste extrusion</i>	
Dispenser Canister 300CC w/ Luer Lock <a href="#">link</a>	2
Dispenser Needles Luer Lock, (pack of 50) <a href="#">link</a>	1
Pneumatic Pressure Regulator <a href="#">link</a> **	1
Ball Valve 1/4" NPT female/female <a href="#">link</a> **	1
1/4" Polyurethane pneumatic hose (25ft, but only need 3-5ft) <a href="#">link</a> **	1
1/4" NPT hose fitting, male with barb for 1/4" hose *	1
1/4" NPT coupler quick disconnect male *	1
Hose clamps for 1/2" diameter or smaller *	2

\*These items can be purchased at a local hardware store

\*\*Equivalent or similar parts can be variously sourced