

MendelMax 2.0 Syringe Extruder MK I BOM

Item	Qty	Notes
Water Jet \ Laser Cut Parts		
MM2SE Frame	1	3mm Sheet Aluminium, bent as per DXF file. Anodising preferable
MM2SE Lower Syringe Clamp	1	3mm Sheet Aluminium, bent as per DXF file. Anodising preferable
MM2SE Sliding Press Bottom Plate	1	3mm Sheet Aluminium. Anodising preferable
MM2SE Sliding Press Clamp	1	3mm Sheet Aluminium. Anodising preferable
MM2SE Sliding Press Top Plate	1	3mm Sheet Aluminium. Anodising preferable
MM2SE Stepper Motor Mount	1	3mm Sheet Aluminium, bent as per DXF file. Anodising preferable
3D Printed Parts		
MM2SE Top Mount	1	
MM2SE Bottom Mount	1	
MM2SE Sliding Press	1	
MM2SE Spring Clamp	1	
MM2SE Endstop Spacer	1	For Optional Endstop
Electronics		
Nema 17 Stepper Motor	1	May require additional wiring
Endstop	1	Optional
Motion		
GT2 Pulley + Grub Screws	2	20 Tooth is best, but anything that fits inside the bottom mount will do
GT2 Belt	1	140-GT2 Belt
Ball Bearing	2	F605ZZ Flanged Bearing, can be substituted for standard bearing of same dimensions
Linear Bearing	2	LM6UU Linear Bearing
Linear Shaft	3	M6 Stainless Steel Linear Shaft - 2 x 160mm, 1 x 90mm, as per spec sheet
Threaded Rod	1	M6 Stainless Steel Threaded Rod, 195mm, as per spec sheet
Lead Nut	1	Acetyl, PTFE or other suitable engineering plastic, as per spec sheet
Compression Spring	1	2in x 0.42in x 0.035in or similar
Compression Spring	1	3\16in x 1-3/8in x 0.016in. Can be substituted for 2 springs half this length
Hardware		
M6 External Surclip	1	
M5 x 25 Screws	1	
M5 x 20 Screws	3	
M5 x 12 Screws	2	
M5 x 12 Countersunk Screws	4	
M5 Washers	24	
M5 Split Washers	4	
M5 x 4 Nuts	9	Thickness of 4mm, to fit Lower Syringe Clamp nut traps
M5 External Surclip	1	
M3 x 20 Screws	2	
M3 x 15 Screws	4	
M3 x 8 Screws	4	
M3 x 6 Self Tapping Screws	8	If you can't find self-tapping screws, machine screws will do
M3 Washers	4	
M3 Nuts	4	
M2 x 12 Screws	2	For Optional Endstop