

Document		Machine type & model			Revision : A		
J-ARB-1.0 BOM		Arbor Injection Machine 1.0			Revision date : 11/2/2023		
					Revision changes : First issue		
Category	Brand	Ref.	Item	Quantity	Unit price	Total Price	URL
Rod / Tube / Bar	/	1100.01 / 1100.02 / 1100.03 /	Aluminium rectangular bar 30x100x170 (mm)	3	€ 30.00	€ 90.00	https://technical-parts.com/
Rod / Tube / Bar	/	1100.06	Aluminium bushing tube OD 12 mm x ID 10 mm	0.3	€ 1.00	€ 0.30	
Rod / Tube / Bar	/	1200.03 / 2400.02	Steel rod Ø25 (mm)	0.25	€ 20.00	€ 5.00	
Rod / Tube / Bar	/	1300.04	Aluminium rod Ø80 (mm)	0.06	€ 260.00	€ 15.60	
Rod / Tube / Bar	/	1300.03 / 3110.01 / 3110.02 /	Steel tube 30x30x3 (mm)	15.4	€ 4.00	€ 61.60	
Rod / Tube / Bar	/	2100.01	Steel barrel tube OD 35 mm x ID 25 mm	0.4	€ 23.00	€ 9.20	
Rod / Tube / Bar	/	2100.02	Steel rod Ø45 (mm)	0.05	€ 50.00	€ 2.50	
Rod / Tube / Bar	/	2100.04 / 2100.06	Aluminium rod Ø60 (mm)	0.05	€ 140.00	€ 7.00	
Rod / Tube / Bar	/	2400.01	Steel rod Ø20 (mm)	0.42	€ 18.00	€ 7.56	
						€ 198.76	
Lasercut	/	1300.01 / 1300.02 / 2100.05 /	Steel lasercut plate 3mm	1	€ 150.00	€ 150.00	Estimation
Lasercut	/	2200.02 / 2300.01	Steel lasercut plate 0.5mm	1	€ 20.00	€ 20.00	Estimation
						€ 170.00	
Bearing	/	-	Bearing OD 28 x ID 25 x 30 (mm)	1	€ 4.50	€ 4.50	https://www.amatec.nl/en/c1937-162-2000m.html
Bearing	/	-	Bearing OD 28 x ID 25 x 10 (mm)	1	€ 4.50	€ 4.50	
Gears	/	1200.01	Spur Gear 3M, 20T, 30FW mm (with Ø45HD x 20HW hub)	1	€ 36.60	€ 36.60	
Gears	/	1200.02	Rack Gear 3M, 30FW, 500L mm	1	€ 29.87	€ 29.87	
Gears	/	1200.04	Parralel key 8x7x50 (mm), hardened steel	2	€ 3.00	€ 6.00	
Nozzle	/	2100.03	M16 Cap Nut	1	€ 2.00	€ 2.00	
Spring	Amatec	-	Compression Spring C1937-162-2000M	1	€ 11.75	€ 11.75	
Frame	/	-	Rubber Foot	4	€ 0.50	€ 2.00	
Table Adjustment	/	3300.02	Threaded Rod M10	0.6	€ 5.00	€ 3.00	
Table Adjustment	/	3300.03	Flanged Nut M10	2	€ 1.00	€ 2.00	
						€ 102.22	
Electronics	Various	Cabling	Cables (1,5mm2 cables : brown, blue, black & red)	1	€ 20.00	€ 20.00	https://nl.rs-online.com/web/p/wall-boxes/6899819 https://www.amazon.com/REX-C100-Digital-Temperature-Controller-https://nl.rs-online.com/web/p/rocker-switches/0419748/?relevancy-https://nl.rs-online.com/web/p/cable-glands/4442947 https://nl.rs-online.com/web/p/mains-plugs-sockets/0327169 https://www.rokoma.com/thermokoppels/spanband-thermokoppel
Electronics	Schneider	4100.01	Schneider Electric ABS Wall Box, 192 mm x 164 mm x 87mm	1	€ 22.87	€ 22.87	
Electronics	Berne	-	PID Controller REX C100 + SSR	2	€ 21.32	€ 42.64	
Electronics	RS PRO	-	On-Off switch	1	€ 2.06	€ 2.06	
Electronics	LAPP	Cable glands	Cable Gland, M20 Thread, 7mm Min, 13mm Max, IP66	3	€ 1.34	€ 4.02	
Electronics	ABL Sursum	Plug	Main Plug, 16A, Cable Mount, 250 V	1	€ 4.66	€ 4.66	
Electronics	Rokoma	Thermocouple	Thermocouple type J, Ø32-50 (note: often free with PID)	2	€ 23.20	€ 46.40	
Electronics	RS PRO	-	Heating Element, 235 W, 230 V ac	4	€ 37.26	€ 149.04	
						€ 291.69	
Tube Cap	/		30x30 Tube Cap, black	11	€ 0.20	€ 2.20	
Bolts	/		Hex bolt M8 50mm	15	€ 0.10	€ 1.50	
Bolts	/		Hex bolt M10 80mm	4	€ 0.10	€ 0.40	
Bolts	/		Socket bolt M8 20mm	22	€ 0.10	€ 2.20	
Bolts	/		Socket bolt M8 40mm	7	€ 0.10	€ 0.70	
Bolts	/		Socket bolt M10 50mm	12	€ 0.10	€ 1.20	
Bolts	/		Grub screw M8	6	€ 0.10	€ 0.60	
Bolts	/		Socket bolt M5 10mm	2	€ 0.10	€ 0.20	
Bolts	/		Countersunk bolt M5	2	€ 0.10	€ 0.20	
Locknuts	/		Locknut M5	2	€ 0.10	€ 0.20	
Locknuts	/		Locknut M8	25	€ 0.10	€ 2.50	
Locknuts	/		Locknut M10	14	€ 0.10	€ 1.40	
Washers	/		Plain Washer M8 (Ø21mm)	3	€ 0.10	€ 0.30	
Washers	/		Plain Washer M10 (Ø24mm)	20	€ 0.10	€ 2.00	
Washers	/		Plain Washer M10 large (Ø36mm)	1	€ 0.10	€ 0.10	
						€ 15.70	
Miscellaneous			Paint	/	/	/	To be defined by the builder
Miscellaneous			Safety stickers	/	/	/	To be defined by the builder
						€ 0.00	
					TOTAL	€ 762.67	