



Spare Parts Diagram

To order spare parts, please use diagram and part #s below:

Figure 1 – Spare Parts Diagram Overview

Figure 3 – Heating / Cooling Blocks and Dry Ink Coding

Figure 5 – Sealer Gears

Figure 7 – Conveyor

Figure 7 – Sealer Head

Figure 9 – Sealer Rack

Last Update: 1/26/24



FRM-1120C SPARE PARTS DIAGRAM

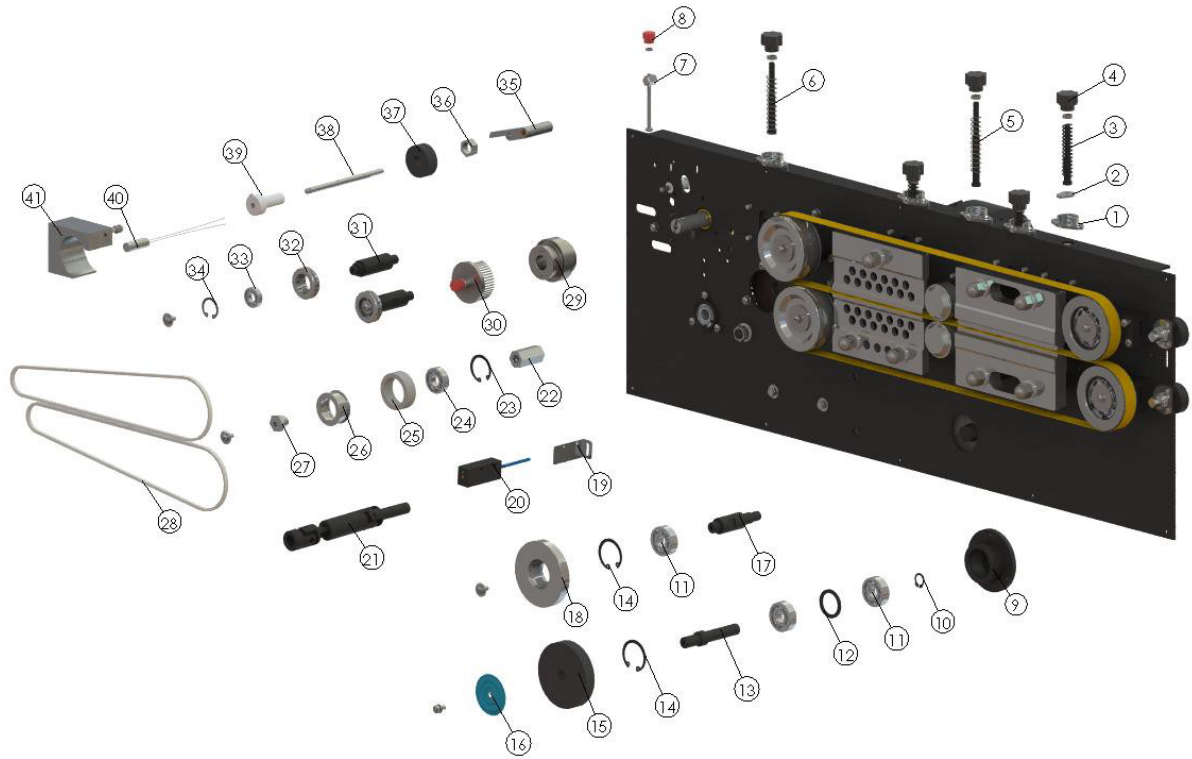


Figure 1. Spare Parts Diagram Overview

FRM-1120C SPARE PARTS DIAGRAM

Figure 2. Spare Parts Diagram Overview

Item	Part #	Quantity	Description	Reference	Comments
1	FRM-1120C-28D	5	Adjusting seat for slide block	11511010203	
2		5	Leaf shaped washer	11511010204	
3	FRM-1120C-28A	1	Adjusting screw for slide block (Length: 65mm)	11511010205.65	Includes #1, 2, 3, 4
3	FRM-112C-28-73-1		Spring $\phi 12 \times 22 \times 55.7$		
4		5	Flower shaped knob		
5	FRM-1120C-28C	1	Adjusting screw for slide block (Length: 92mm)	11511010206	Includes #1, 2, 4, 5
5	FRM-112C-28-73-2		Spring $\phi 11 \times 0.8 \times 45.2$	11511070201	
6	FRM-1120C-28B	1	Adjusting screw for slide block (Length: 78mm)	11511010205.78	Includes #1, 2, 4, 6
6	FRM-112C-28-73-2		Spring $\phi 11 \times 0.8 \times 45.2$		
7	BS-62	1	Ink wheel adjusting device		Includes #7, 8
8	BS-62	1	Ink wheel adjusting device		Includes #7, 8
9	FRM-1120C-6-56	1	Bearing seat	11511010303	
10	Circlip-12mm	1	Circlip $\phi 12 \text{mm}$	9746036400012	
11	Bearing_6201RS	3	Bearing 6201RS $\phi 12 \times \phi 32 \times 10$	9105200602011	
12	FRM-1120C-6-55	1	Spacing ring of bearing	11511010304	
13	FRM-1120C-2-16	1	Silicone wheel shaft		
14	Circlip-32mm	2	Circlip $\phi 32 \text{mm}$	9746016400032	
15	FRM-1120C-2	1	Rubber wheel	11511010301	
16	CBS-880-2-33	1	Silicone wheel cover	11111030018	
17	FRM-1120C-3A-10	1	Embossing wheel shaft		
18	FRM-1120C-3A	1	Embossing wheel, meshed		Includes #11, 14, 18
19	BS-60-18	1	Support for photoelectric sensor	11511070223	
20	BS-60_Gen2.0	1	Photoelectric sensor	9213203103001	
21	FRM-1120C-40A	1	Universal joint assembly	A115110107	
	FRM-1120C-41	1			
22	FRM-1120C-57-12	1	Printing rubber wheel shaft	11511070216	
23	Circlip-28mm	1	Circlip $\phi 28 \text{mm}$	9746016400028	
24	Bearing_6001Z	3	Bearing 6001Z $\phi 12 \times \phi 28 \times 8$	9105200601012	
25	BS-57A	1	Silicone ring	9410202112001	
26	BS-57	1	Silicone ring complete		Includes #25, 26
27	BS-57B	1	Eccentric sleeve	11511070215	
28	FRM-1120C-26	2	Drive belt 678mm	9425100020678	
29	BS-48B	1	Base of print wheel	A115110701	
30	BS-48A	1	Print wheel	A115110702	
31	FRM-1120C-6b	2	Small pulley shaft	11511010101	
32	FRM-1120C-6a	2	Small driving wheel	11511010102	Includes #32, 33, 34
33	Bearing_6900Z	2	Bearing 6900Z $\phi 10 \times \phi 22 \times 6$	9105200619002	
34	Circlip-22mm	2	Circlip $\phi 22 \text{mm}$	9746016400022	
35	BS-62E	1	Swing pole of ink roller	11511070202	
36	BS-58	1	Ink roller holder stop	11511070222	Includes #36, 39
37	INKROLLER-30-BLK	1	Black ink roller, 30mm		
	INKROLLER-15-BLK	1	Black ink roller, 15mm		
37	BS-48-6-FRM-1120C	1	Ink roller shaft, 6-3/8"	11511070204-2	
38	BS-58	1	Ink roller holder	11511070206	Includes #36, 39
39	BS-61	1	Heating tube, each	9240110100304	
40	FRM-1120C-47	1	Ink wheel heating block	11511070210-D1	

FRM-1120C SPARE PARTS DIAGRAM

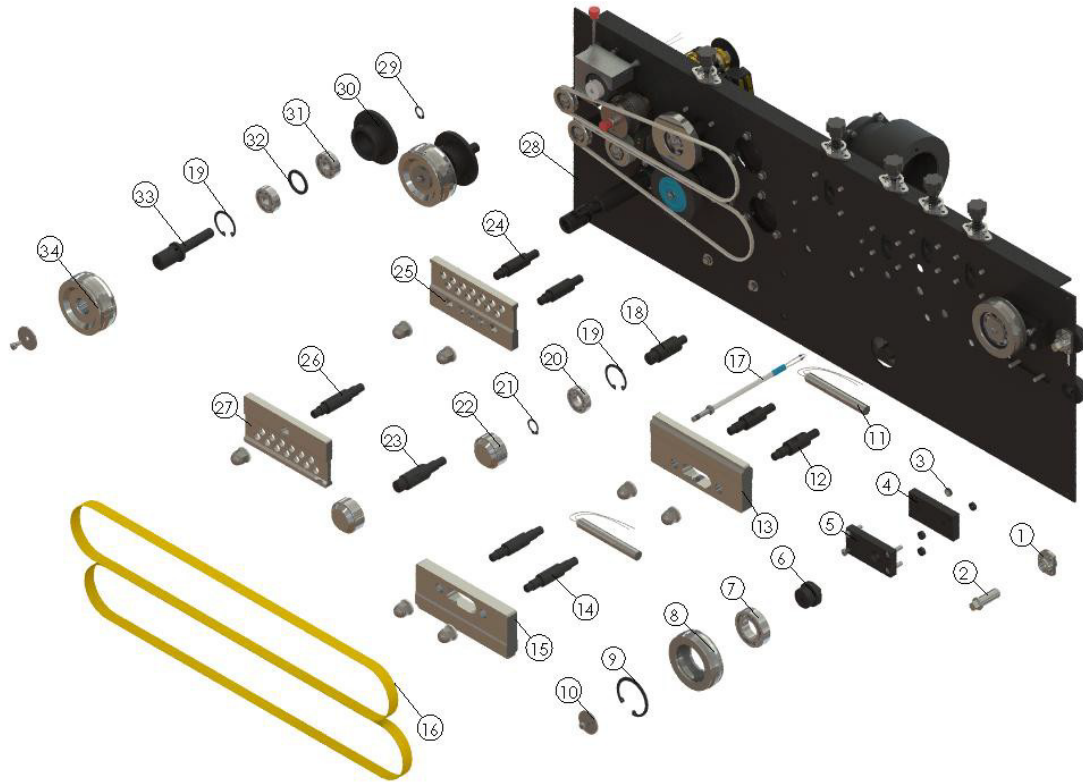


Figure 3. Heating / Cooling Blocks and Dry Ink Coding

FRM-1120C SPARE PARTS DIAGRAM

Figure 4. Heating / Cooling Blocks and Dry Ink Coding

Item	Part #	Quantity	Description	Reference	Comments
1		2	Cam shaft seat	11511011105	
2	FRM-1120C-13-36	2	Cam shaft	11511011104	
3	FRM-1120C-13-41	8	Spacing ring of pressing plate	11511011108.00	
4	FRM-1120C-13	2	Adjustment block assembly		Includes #4, 5
5	FRM-1120C-13	2	Adjustment block assembly		Includes #4, 5
6	FRM-1120C-12a	2	Driven wheel shaft		
7	Bearing_6005RS	2	Bearing 6005RS $\phi 25 \times \phi 47 \times 12$	9105200601052	
8	FRM-1120C-12	2	Driven wheel		Includes #7, 8
9	Circlip-47mm	2	Circlip $\phi 47\text{mm}$	9746016400047	
10	Washer-M5x28	4	Washer $\phi 5 \times \phi 28 \times 2$	11511010403	
11	BS-9B	2	Heaters, pair	9240112123005	
12	FRM-1120C-9-26	2	Lower heating block shaft	11511011001	
13	FRM-1120C-9A-SS	1	Heating blocks, pair	11511011002 / 11511010901	Includes #13, 15
14	FRM-1120C-9-24	2	Upper heating block shaft	11511010902	
15	FRM-1120C-9A-SS	1	Heating blocks, pair	11511011002 / 11511010901	Includes #13, 15
16	FRM-1120C-10	2	Sealing belt 1120mm x 15mm	9430113112015	
17	FRM-1120C-34	1	Thermocouple	9241100021000	
18	FRM-1120C-21-27	1	Pressing wheel with lower shaft & bearing assembly		Includes #18-22
19	Circlip-32mm	4	Circlip $\phi 32\text{mm}$	9746016400032	
20	Bearing_6002Z	2	Bearing 6002Z $\phi 15 \times \phi 32 \times 9$	9105200601022	
21		2	Circlip $\phi 15\text{mm}$	9746036400015	
22	FRM-1120C-21-27 or FRM-1120C-21-22-26	2	Sealing pressing wheel		
23	FRM-1120C-21-22-26	1	Pressing wheel with upper shaft & bearing assembly		Includes #19-22, 23
24	FRM-1120C-8-22	2	Lower cooling block shaft	11511010602	
25	FRM-1120C-8-SS	1	Cooling blocks, pair	11511010601 / 11511010503	Includes #25, 27
26	FRM-1120C-8-18	1	Upper cooling block shaft	11511010502	
27	FRM-1120C-8-SS	1	Cooling blocks, pair	11511010601 / 11511010503	Includes #25, 27
28		1	Bottom board	11511011304	
29		2	Circlip $\phi 12\text{mm}$	9746036400012	
30-33	FRM-1120C-6-50-56		Driving wheel shaft & bearing seat complete		Includes #19, 29-33
30	FRM-1120C-6-56	2	Bearing seat	11511010303	
31	Bearing_6201RS	4	Bearing 6201RS $\phi 12 \times \phi 32 \times 10$	9105200602012	
32	FRM-1120C-6-55	2	Spacing ring of bearing	11511010304	
33	FRM-1120C-6-53	2	Driving wheel shaft	11511010402	
34	FRM-1120C-6	2	Driving wheel	11511010401	

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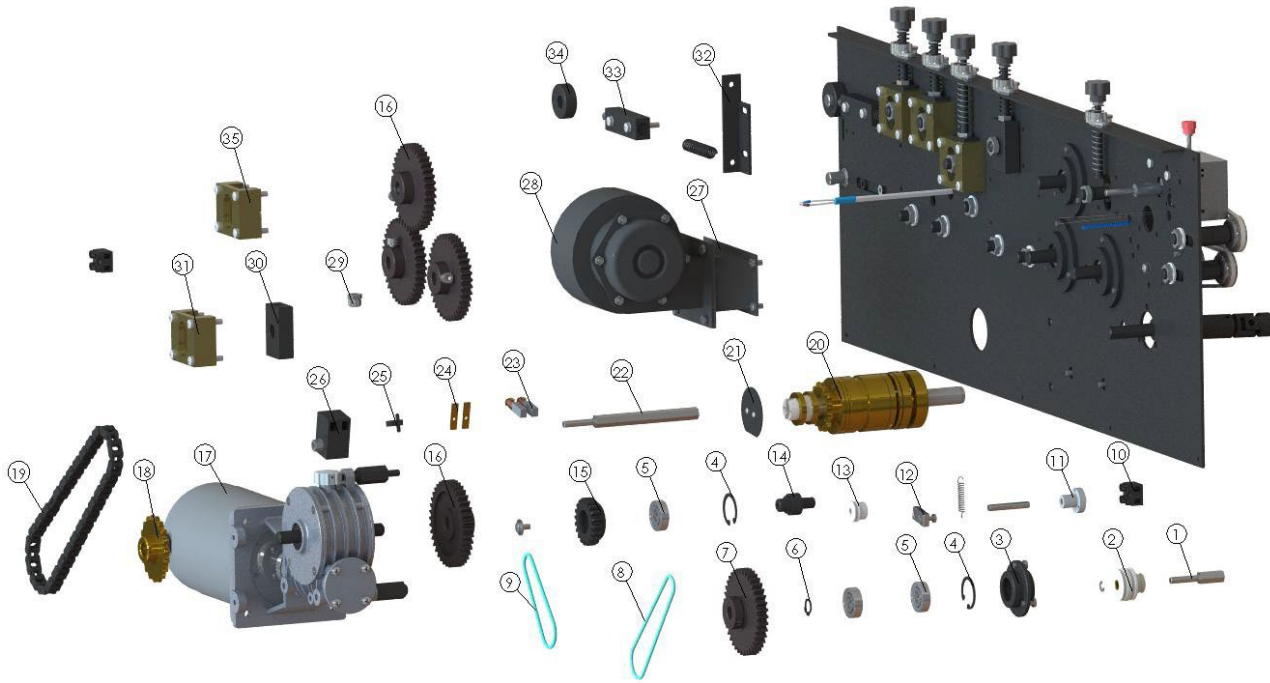


Figure 5. Sealer Gears

FRM-1120C SPARE PARTS DIAGRAM

Figure 6. Sealer Gears

Item	Part #	Quantity	Description	Reference	Comments
1	BS-54B-35	1	Middle pulley shaft	11511070218	
2	BS-54B	1	Middle pulley wheel	11511070217	
3	FRM-1120C-40A-1	1	Connecting shaft bearing seat	11311030026.00	
4	Circlip-28mm	2	Circlip ϕ 28mm	9746016400028	
5	Bearing_6001Z	4	Bearing 6001Z ϕ 12 x ϕ 28 x 8	9105200601012	
6	Circlip-12mm	1	Circlip ϕ 12mm	9746036400012.00	
7	FRM-1120C-35C	1	Wheel gear (with groove)	11511010305C	
8	BS-54B	1	O-Ring ϕ 80 x 3.1	9412120080031	
9	BS-53	1	O-Ring ϕ 50 x 3.1	9412120050031	
10	BS-33A	2	Connection station 4PIN	9201401110002	
11		1	Ink wheel pendulum shaft seat	11511070203	
12	BS-62H	1	Pull rod for ink roller	11511070209	
13		1	Ink roller shaft pulley	11511070205-2	
14		1	Intermediate shaft	11511011202	
15	FRM-1120C-35-68	1	Medium gear	11511011201	
16	FRM-1120C-35b	4	Wheel gear (without groove)	11511010305	
17	FRM-1120C-29	1	Motor	A115110607-25	
17	FRM-1120C-30_gen1.0	1	Turbocase, gen 1.0		
17	FRM-1120C-30_gen2.0	1	Turbocase, gen 2.0		
18	FRM-1120C-35-61	1	Driving sprocket	11311050001-19	
19	FRM-1120C-38-56	1	Chain 56 links (06B-1 x 56L)	9104101106056	
20	BS-139-FRM-1120C	1	Electromagenetic clutch	A115110708	
21	BS-140	1	Anti-dazzling screen	11511070118	
22	BS-64B	1	Support for carbon brush	11511070124	
23	BS-64	2	Carbon brush printer 19mm x 7mm x 5mm	9210200360820	
24	BS-64C	2	Pressing plate of carbon brush	11511070120	
25		1	Slot coupler assembly	9310121113140	
26	BS-64A	1	Carbon brush holder	9210200200001	
27	FRM-1120C-32	1	Fan		Includes #27, 28
28	FRM-1120C-32	1	Fan		Includes #27, 28
29	FRM-1120C-28-66	5	Spring seat for slide block	11511010207	
30	FRM-1120C-28-65	5	Slide block	11511010208	
31	FRM-1120C-28-49	1	Single slide block seat	11511010209A	
32	FRM-1120C-13-46	1	Adjusting block seat	11511011110	
33	FRM-1120C-13-40	2	Adjusting pressing plate	11511011107	
34	FRM-1120C-13-38	2	Cam protruding wheel	11511011106	
35		4	Single slide block seat	11511010209	

FRM-1120C SPARE PARTS DIAGRAM

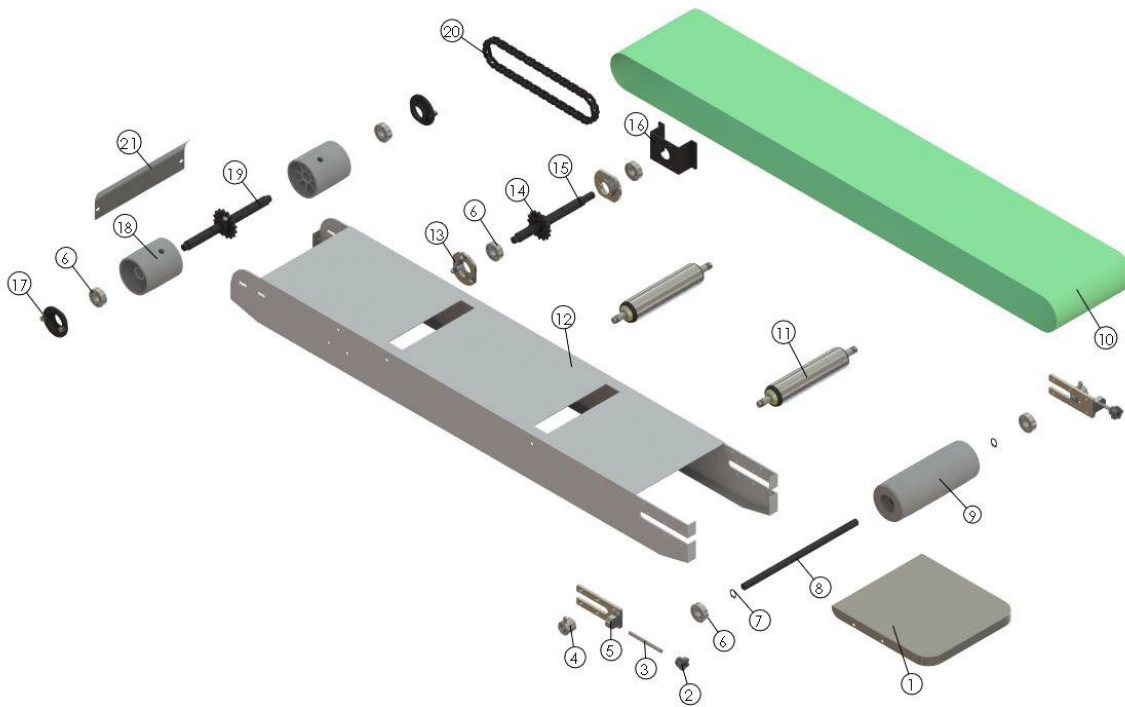


Figure 7. Conveyor

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Figure 8. Conveyor

Item	Part #	Quantity	Description	Reference	Comments
1	FRM-1120C-15	1	Working table	11511030002	
2	FRM-1120LD-16	2	Adjusting knob, screw and loop of conveyor		Includes #2, 3, 4
3	FRM-1120LD-16	2	Adjusting knob, screw and loop of conveyor		Includes #2, 3, 4
4	FRM-1120LD-16	2	Adjusting knob, screw and loop of conveyor		Includes #2, 3, 4
5	FRM-1120LD-16-15	2	Adjusting seat of conveyor table	11511030404	
6	FRM-1120LD-36	6	Bearing 6201RS $\phi 12 \times \phi 32 \times 10$		Includes #6, 7, 8, 9
7	FRM-1120LD-36	2	Conveyor roller/ driven (right)		Includes #6, 7, 8, 9
8	FRM-1120LD-36	1	Conveyor roller/ driven (right)		Includes #6, 7, 8, 9
9	FRM-1120LD-36	1	Conveyor roller/ driven (right)		Includes #6, 7, 8, 9
10	FRM-1120C-1	1	Conveyor belt - 2080 x 175 x2	9422112208173	
11	FRM-1120C-36-14-17	2	Intermediate roller	A115110304	
12		1	Conveyor table	11511030001	
13	FRM-1120C-41	2	Conveyor middle post with gear		Includes #6, 13-16
14	FRM-1120C-41	2	Conveyor middle post with gear		
15	FRM-1120C-41	1	Conveyor middle post with gear		
16	FRM-1120C-41	1	Conveyor middle post with gear		
17	FRM-1120C-37	2	Conveyor roller / driving (left)		Includes #5, 17-19
18	FRM-1120C-37	2	Conveyor roller / driving (left)		Includes #5, 17-19
19	FRM-1120C-37	1	Conveyor roller / driving (left)		Includes #5, 17-19
20	FRM-1120C-38-58	1	Conveyor chain 58 links (06B-1 x 58L)	9104101106058	
21	FRM-1120C-1-9	1	Outfeed plate	11511030003	

FRM-1120C SPARE PARTS DIAGRAM

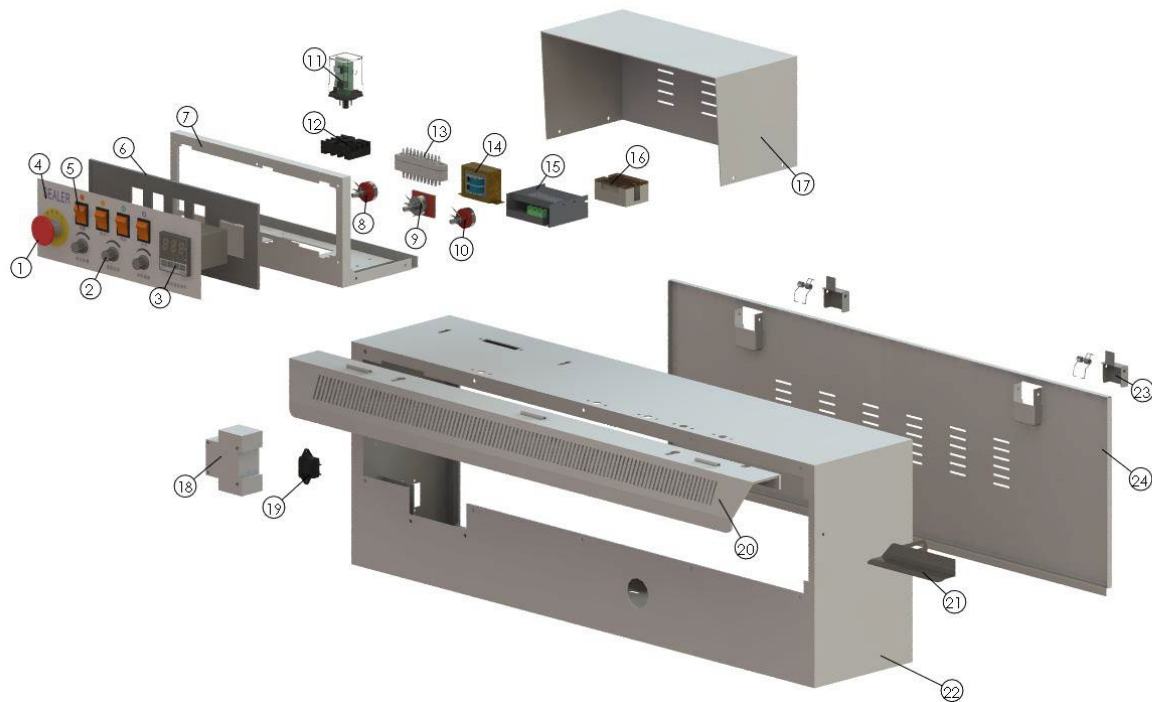


Figure 9. Sealer Head

Item	Part #	Quantity	Description	Reference	Comments
1	BS-22-A_Gen3.0	1	Emergency stop	9212232220640	
2	BS-25A	3	Knob	9210200100004	
3	TMC-E5CSL-QTC-FRM-1120	1	Temperature controller		
4	FRM-1120LD-83	1	PVC plastic panel	9160101113012	
5	BS-22_LARGE	4	Switch	9212240130395	
6		1	Plastic panel	9460102112112	
7	FRM-1120LD-89A-Omron	1	Control box complete		Includes #1 - 17
8	BS-51	1	Seat coding potentiometer - 1M	9300112530010	
9	BS-50A	1	Ink temperature potentiometer w/ PC Board	9310121113130	
10	BS-25	1	Speed potentiometer	9300112520100	
11	BS-52C	1	Main PC Board	9310121113010	
12	BS-45B	1	11 PIN seat	9210110110042	
13	FRM-1120C-56	1	Male connector for control box	9201211200002	
14	BS-66A	1	Transformer	9217103000105	
15	FRM-1010-31	1	Speed PC Board	9310121115015	
	BS-52A	1	Speed PC Board		
16	R-JG3NA	1	Relay	9215301102252	
17	FRM-1120LD-89A-Omron	1	Control box cover		Includes #1 - 17
18	BS-27	1	Circuit breaker	9212711602005	
19	BS-14	1	Socket for power cord	9201111031002	
20	FRM-1120C-7	1	Safety cover	11511020005	
21	FRM-1120C-44	1	Guide	11511020101	
22		1	Chassis	11511020001	
23		2	Door latch	11511020013-81	
24		1	Case back cover	11511020004	

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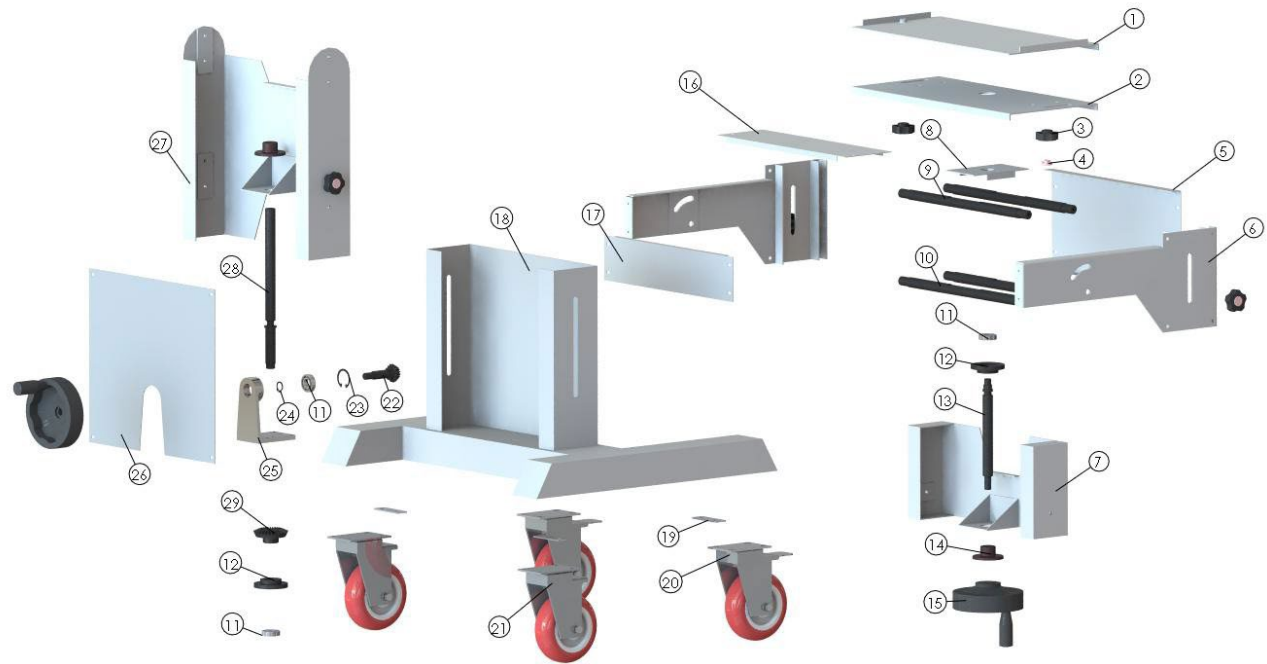


Figure 10. Sealer Rack

Item	Part #	Quantity	Description	Reference	Comments
1	FRM-1120C-20-18	1	Conveyor plate connecting plate	11511050010	
2	FRM-1120C-20-17	1	Bracket slider connecting plate	11511050009	
3	BS-5_Gen3.0	6	Pressure knob	9450101111004	Includes #3, 4
4	BS-5_Gen3.0	6	Pressure knob	9450101111003	Includes #3, 4
5		1	Bracket front cover	11511050002	
6		2	Bracket	11511050003	
7		1	Carriage slider	11511050004	
8		1	Support plate of bracket	11511050008	
9		2	Bracket strut	11511050001	
10		2	Bracket strut	11511050001-D2	
11	Bearing_6002Z	3	Bearing 6002Z $\phi 15 \times \phi 32 \times 9$	9105200601022	
12	FRM-1120C-95-3	2	Lifting screw bearing housing	11511040007	
13	FRM-1120C-95-23	1	Bracket screw	11511050006	
14	FRM-1120C-95-24	2	Lifting bracket nut	11511040004	
15	FRM-1120C-90	2	Handwheel	9100303112100	
16		1	Bracket cover	11511050011	
17		1	Bracket back cover	11511050012	
18		1	Base	11511040001	
19		4	Packing support	11510000099	
20	FRM-1120C-92B	2	Casters (w/ brake)	9400102410403	
21	FRM-1120C-92A	2	Casters (w/o brake)	9400102400403	
22		1	Handle bevel gear	11511040009	
23	Circlip-32mm	1	Circlip $\phi 32\text{mm}$	9746016400032	
24	Circlip-15mm	1	Circlip $\phi 15\text{mm}$	9746036400015	
25		1	Bevel gear seat	11511040005	
26		1	Base back cover	11511040006	
27		1	Lift slider	11511040002	
28		1	Lifting screw	11511040003	
29	FRM-1120C-95-5	1	Bevel gear	11511040008	

Spare Parts List

Included with your band sealer are the following parts. Please note that spare parts included with your band sealer are subject to change without notice.

- ❖ Typeset Box which includes numbers (0-9), numbers (0.-9.), Letters – EXP, MFD, silicone pins (Part# BS-59), tweezers, and allen wrench
- ❖ Power Cord (Part# PWC-CBS)
- ❖ PTFE Sealing Belts (Part# FRM-1120C-10)
- ❖ Drive Belts (Part# FRM-1120C-26)
- ❖ Speed Adjusting PC Board (Part# BS-52A)
- ❖ Central Circuit PC Board (Part# BS-52C)
- ❖ Ink Temperature Potentiometer with Heat PC Board (Part# BS-50A)
- ❖ O-Rings (Part#s BS-53 and BS-54)
- ❖ Silicone Ring (Part#BS-57A)
- ❖ Ink Roller Holder (Part# BS-58)
- ❖ Ink Rollers, 15mm (Part# IT-IR-15-BLK)
- ❖ Groove (Trough) Sensor (BS#BS-65)
- ❖ Carbon Brush for Printer (BS#64)
- ❖ Philips Screwdriver
- ❖ Flat Screwdriver
- ❖ Allen Wrench (3mm and 5mm)
- ❖ Wrench

