

SealerSales FRM-1 120LD
Right Feed Vertical Dry Ink
Coding Continuous Band Sealer

Parts List



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Spare Parts Diagram

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

Figure 1 – Controller Box

Figure 3 – Sealer Body

Figure 5 – Sealer Body Front

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Figure 10 – Heating/Cooling Blocks & Dry Ink Coding Function

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Last Update: 3/7/18

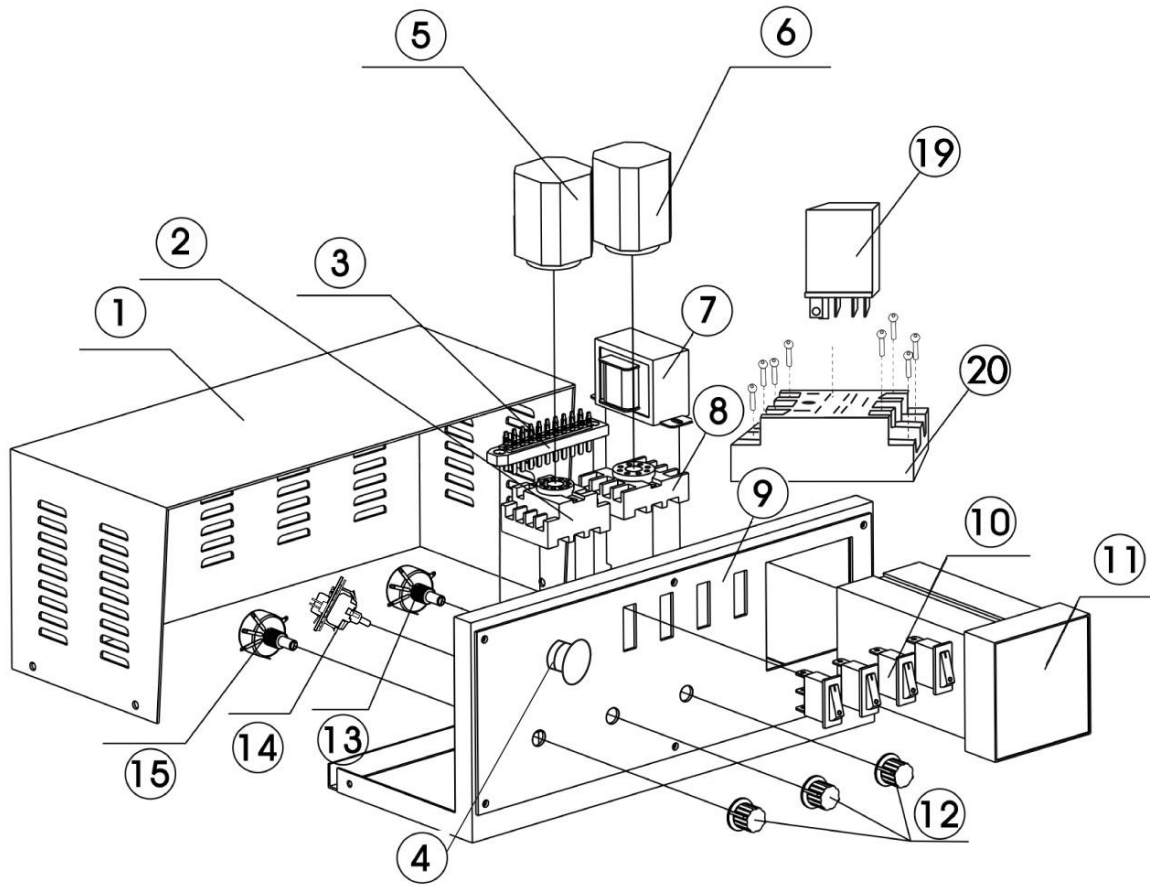


Figure 1. Controller Box

Figure 2. Controller Box

Item #	Part #	Quantity	Description	Comments
1		1	rear cover of electric cabinet	
2	BS-45B	1	PF113A relay holder	
3	FRM-1120C-56	1	20 pin socket	
4	BS-22A	1	emergency stop	
5	BS-52C	1	main control PCB	
6	BS-52A	1	speed regulating PCB	
7	BS-66A	1	transformer BK-10/220-13.5V	
8	BS-45A	1	PF083 relay holder	
9		1	control panel	
10	BS-22	1	control switch	specify large or small
11	TMC-XMTE-1000-2	1	temperature controller	determine version by taking temp controller out
	TMC-XMTE-1000-2-0	1	temperature controller	determine version by taking temp controller out
	TMC-E5CSL-QTC-FRM-1120	1	temperature controller	
12	BS-25A	1	knob	
13	BS-25	1	speed potentiometer 100K	
14	BS-50A	1	ink temperature potentiometer wih pc board	
	BS-25	1	potentiometer 100K	
15	BS-51	1	coding potentiometer 1.0M	
19	R-JQX-13F	1	Relay	
	R-JG3NA	1	Relay	
20	BS-74A	1	Seat for relay	

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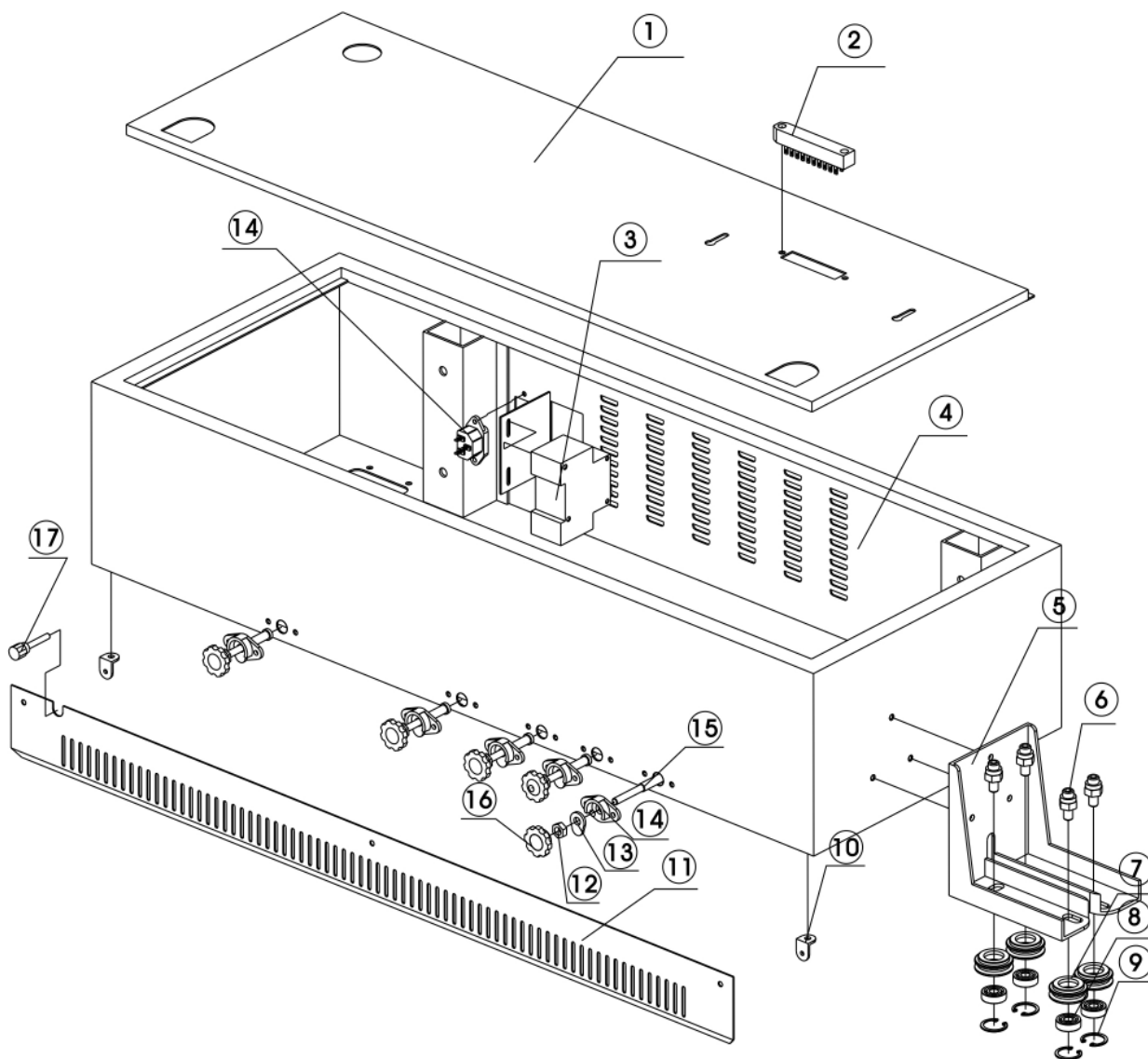


Figure 3. Sealer Body

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Figure 4. Sealer Body

Item #	Part #	Quantity	Description	Comments
1		1	upper cover of housing	
2	BS-14	1	socket connector	
3	BS-27	1	DZ47-2P/5A small breaker	
4		1	housing	
5		1	idler pulley support / guide	
6		1	idler pulley shaft	
7	FRM-1120LD-6a_gen 1.0 or FRM-1120LD-6a_gen2.0	1	idler pulley	Includes #7, 8, 9
8	FRM-1120LD-6a_gen 1.0 or FRM-1120LD-6a_gen2.0	1	bearing	Includes #7, 8, 9
9	FRM-1120LD-6a_gen 1.0 or FRM-1120LD-6a_gen2.0	1	circlip	Includes #7, 8, 9
10		1	support of guard plate	
11		1	guard plate	
12		4	hexagon nut	
13	FRM-1120C-28A, 28B, or 28C	4	adjusting steel disc	(Includes #13-16) A = 65mm, B = 77mm, C = 92mm
14	FRM-1120C-28A, 28B, or 28C	4	screw holder	(Includes #13-16) A = 65mm, B = 77mm, C = 92mm
15	FRM-1120C-28A, 28B, or 28C	4	dolly bar	(Includes #13-16) A = 65mm, B = 77mm, C = 92mm
16	FRM-1120C-28A, 28B, or 28C	4	knob of screw	(Includes #13-16) A = 65mm, B = 77mm, C = 92mm
17	BS-62	1	adjusting knob for ink roller's swing pole	

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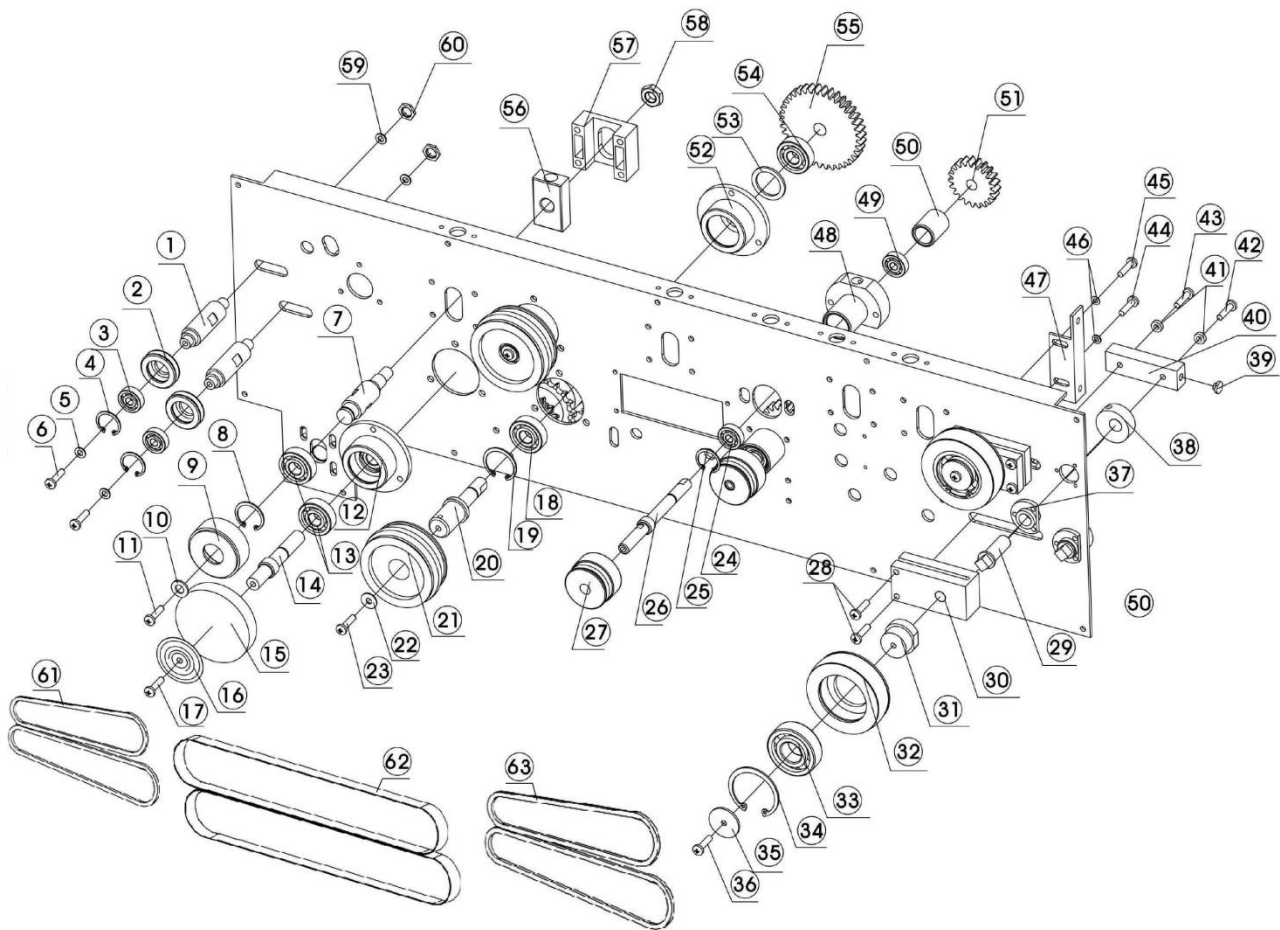


Figure 5. Sealer Body Front

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Figure 6. Sealer Body Front (1 of 2)

Item	Part #	Quantity	Description	Reference	Comments
1	FRM-1120LD-6b	2	small pulley shaft	106002	
2	FRM-1120C-6A	2	small pulley	106003	Includes #2-4
3	FRM-1120C-6A	2	bearing (626)	GB/T276-1994(626)	Includes #2-4
4	FRM-1120C-6A	2	circlip for hole	GB/T893.1-1986	Includes #2-4
5	Washer-M5x16	2	flat washer	GB/97.1-2002	M5x16
6	Screw-M4x8	2	screw	GB/T818-2000	M4x8
7		1	embossing wheel shaft	106006	
8	FRM-1120C-3	1	circlip for hole	GB/T893.1-1986	Includes #8, 9
9	FRM-1120C-3	1	embossing wheel	106007	Includes #8, 9
10	WasherM5x16	1	flat washer	GB/T97.1-2002	M5x16
11	Screw-M4x8	1	screw	GB/T818-2000	M4x8
14		1	silicone wheel shaft	106011	
15	FRM-1120C-2	1	silicone wheel assembly	106010	
16		1	silicone wheel cover		
17	Screw-M4x8	2	screw	GB/T818-2000	M4x8
18	FRM-1120C-6-50-56		bearing (6201)	GB/T276-1994(6201)	Includes #18-20, 52-54
19	FRM-1120C-6-50-56		circlip	GB/T893.1-1986	Includes #18-20, 52-54
20	FRM-1120C-6-50-56		driving wheel shaft		Includes #18-20, 52-54
21	FRM-1120C-6	2	driving wheel	106012	
22	Washer-M5x28		flat washer		M5x28
23	Screw-M4x8		screw	GB/T818-2000	M4x8
24	FRM-1120C-21		bearing (6201)	GB/T276-1994(6201)	Includes #24, 25, 27
25	FRM-1120C-21	2	circlip for shaft	GB/T894.1-1986	Includes #24, 25, 27
26	FRM-1120LD-21-26	1	upper pressing wheel shaft	106023	
27	FRM-1120C-21	2	pressing wheel	106025	Includes #24, 25, 27
28	Screw-M4x8		screw	GB/T818-2000	M4x8
29	FRM-1120C-13-36	2	cam shaft	106032	
30	FRM-1120C-13	1	driven wheel seat (adjusting block)	106026	
31	FRM-1120C-12a	2	driven wheel shaft	106030	
32	FRM-1120C-12	2	driven wheel	106029	
33		2	bearing (6201)	GB/T276-1994(6201)	
34		2	circlip for hole	GB/T893.1-1986	
35	Washer-M5x28		flat washer		M5x28
36	Screw-M4x8		screw	GB/T818-2000	M4x8
37			cam shaft seat	106033	

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Figure 7. Sealer Body Front (2 of 2)

x	Part #	Quantity	Description	Reference	Comments
38	FRM-1120C-13-38	2	cam	106031	
39		2	hexagonal bolt		
40	FRM-1120C-13-40	2	pressing plate for adjusting block	106027	
41	FRM-1120C-13-41	4	spacing ring of pressing plate	106028	
42	Screw-M4x8	1	screw	GB/T818-2000	M4x8
43	Screw-M4x8	1	screw	GB/T818-2000	M4x8
44	Screw-M4x8	1	screw	GB/T818-2000	M4x8
45	Screw-M4x8	1	screw	GB/T818-2000	M4x8
46	Washer-M5x16	2	flat washer	GB/97.1-2002	
47		1	spring seat	106034	
48	FRM-1120LD-21-48	2	bearing seat of upper pressing wheel		
49	FRM-1120LD-21-49	2	bearing (6201)	GB/T276-1994(6201)	
50	FRM-1120LD-21-50	2	spacing ring of upper pressing wheel		
51	FRM-1120LD-21-51	2	gear of pressing wheel		
52	FRM-1120C-6-50-56	3	bearing seat	106008	Includes #18-20, 52-54
53	FRM-1120C-6-50-56	2	spacing ring of bearing	106009	Includes #18-20, 52-54
54	FRM-1120C-6-50-56	6	bearing (6201)	GB/T276-1994(6201)	Includes #18-20, 52-54
55	FRM-1120C-35B	5	gear	106014	
56		2	slide block	106005	
57	FRM-1120C-28-49	2	single slide block seat	106004	
58		2	hexagon nut		
59	Washer-M5x16	2	flat washer	GB/97.1-2002	
60		2	hexagon nut		
61	FRM-1120C-26	2	driving belt (#678)		
62	FRM-1120C-10	2	sealing belt (#1120)		
63	FRM-1120LD-26-2a	2	driving belt (#980)		Determine 2a or 2b
	FRM-1120LD-26-2b	2	driving belt (#960)		Determine 2a or 2b

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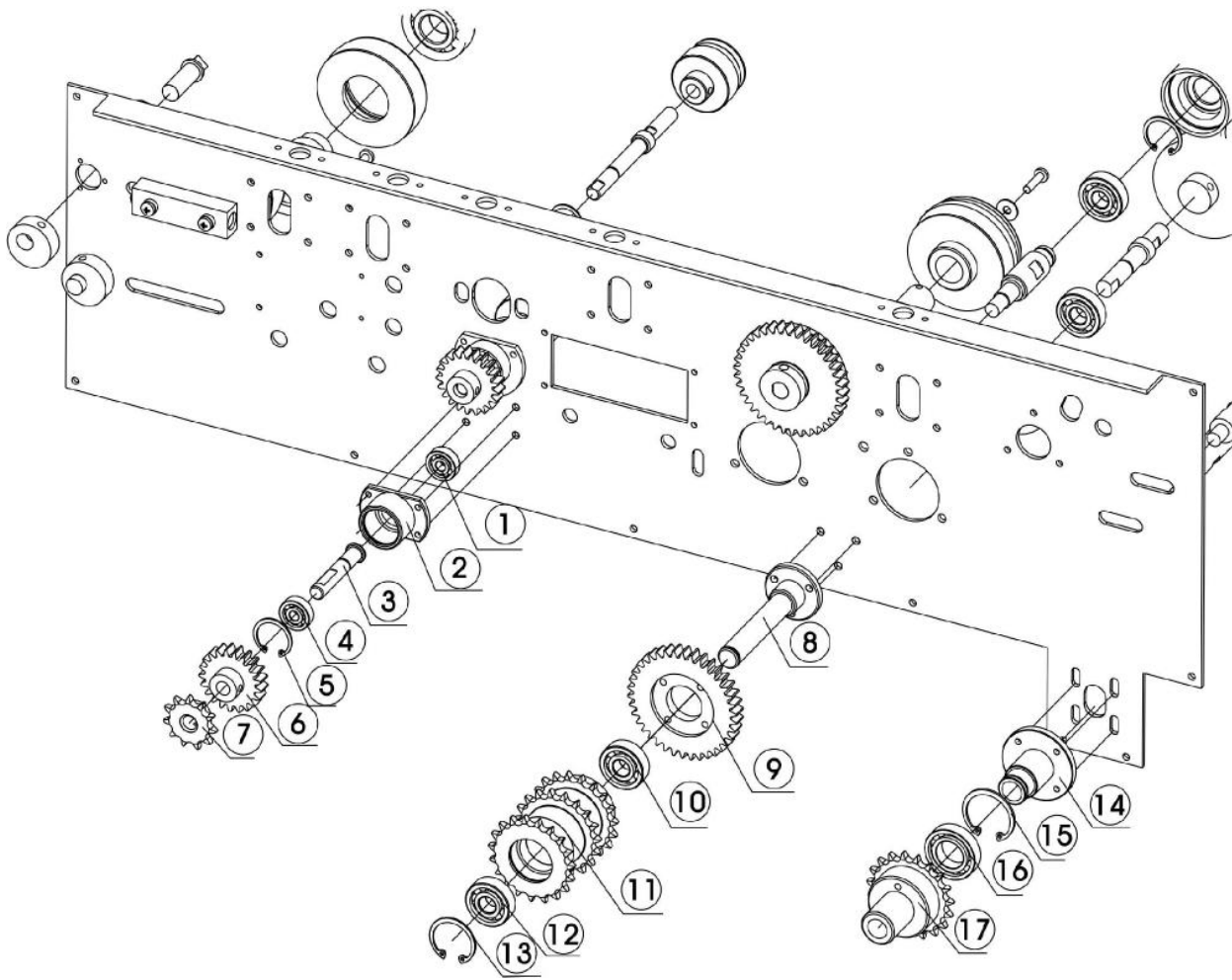


Figure 8. Sealer Body Back

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Figure 9. Sealer Body Back

Item #	Part #	Description	Reference	Comments
1		bearing (626)	GB/T276-1994(626)	
2		bearing seat of drive sprocket		
3		drive sprocket shaft		
4		bearing (626)	GB/T276-1994(626)	
5		circlip for hole	GB/T893.1-1986	
6		gear of pressing wheel		
7		drive sprocket		
8		driving gear shaft		
9		driving gear		
10		bearing (6201)	GB/T276-1994(6201)	
11		triple sprocket		
12		bearing (6201)	GB/T276-1994(6201)	
13		circlip for hole	GB/T893.1-1986	
14		sprocket shaft		
15		circlip for hole	GB/T893.1-1986	
16		bearing (6201)	GB/T276-1994(6201)	
17		drive sprocket		

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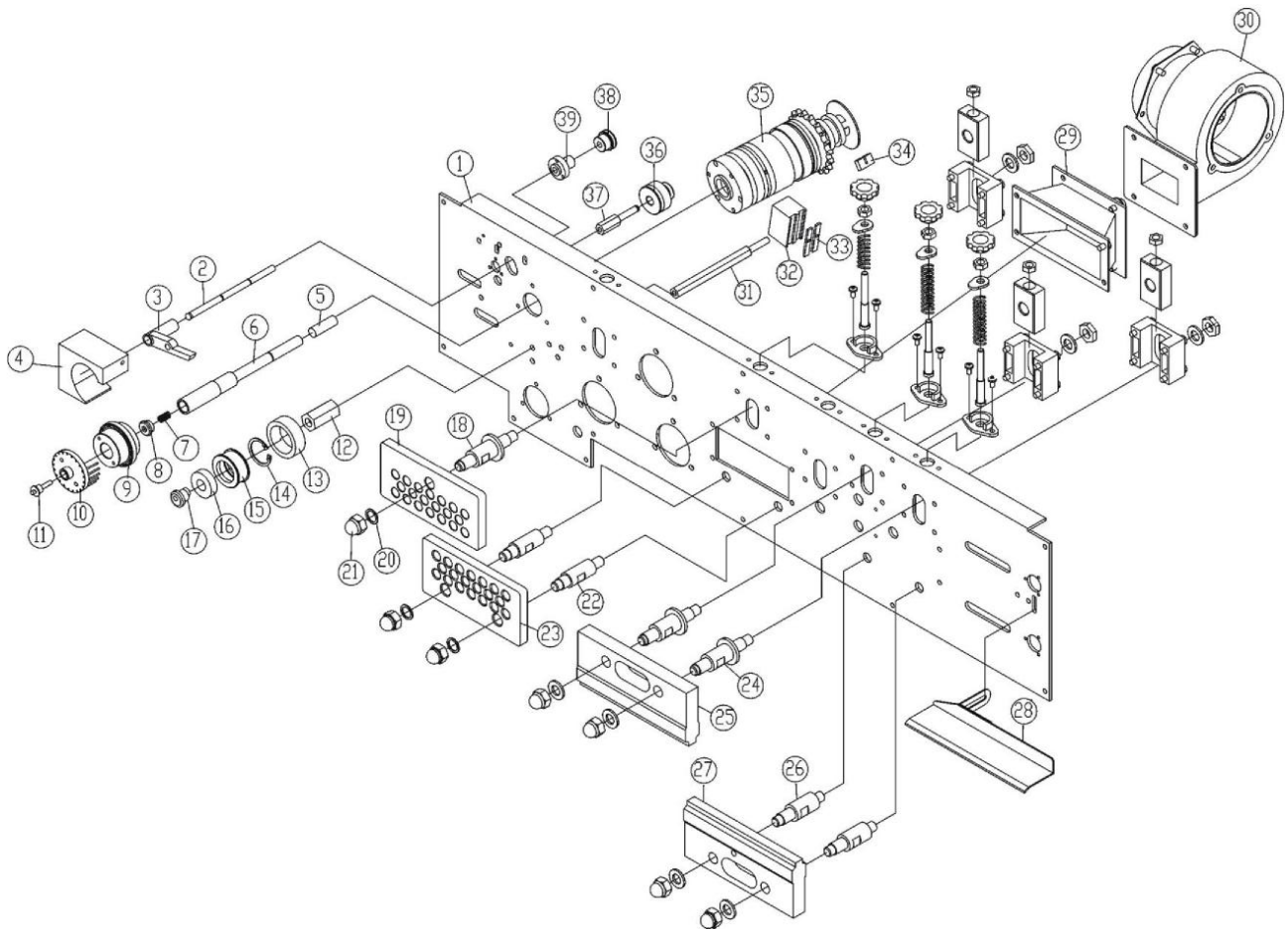


Figure 10. Heating/Cooling Blocks & Dry Ink Coding Function

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Figure 11. Heating/Cooling Blocks & Dry Ink Coding Function

Item #	Part #	Quantity	Description	Reference	Comments
1		1	bottom board	106042	
2	BS-46	1	ink roller shaft	105036	
3	BS-62E-FRM	1	swing pole of ink roller	201007	
4	FRM-1120C-47	1	heating block of ink roller	201002	
5	BS-48C	1	heating pipe 110v/40w	921301	
6		1	printing wheel shaft	106071	
7	BS-48-7	1	spring of holding latch on printing wheel		
8	BS-48-8	1	cover for printing wheel shaft	201015	
9	BS-48B	1	printing wheel	201013	
10	BS-48A	1	printing wheel cover	201014	Includes #10, #11
11	BS-48A	1	holding latch for printing wheel	201016	Includes #10, #11
12		1	printing-silicone wheel shaft	201010	
13	BS-57A	1	silicone ring	910107	
14	BS-57	1	circlip for hole	GB/T893.1-1986	Includes #14-17
15	BS-57	1	core of silicone wheel	201011	Includes #14-17
16	BS-57	1	bearing	GB/T276-1994	Includes #14-17
17	BS-57	1	eccentric sleeve	201012	Includes #14-17
18	FRM-1120LD-8-18	1	upper cooling block shaft	201019	
19	FRM-1120C-8	2	upper cooling block	201015	Includes #19, #23, sold as pair
20		7	flat washer	GB/97.1-2002	
21		7	cap nut	GB/923-1988	
22	FRM-1120LD-8-22	1	lower cooling block shaft	106020	
23	FRM-1120C-8	1	lower cooling block	106016	Includes #19, #23, sold as pair
24	FRM-1120LD-9-24	2	upper heating block shaft	106021	
25	FRM-1120C-9A-SS	1	upper heating block	106017	Includes #25, #27, sold as pair
26	FRM-1120LD-9-26	2	lower heating block shaft	106022	
27	FRM-1120C-9A-SS	1	lower heating block	106018	Includes #25, #27, sold as pair
28					
29		1	wind catcher	106058	
30	FRM-1120C-32	1	fan		
31	BS-64B	1	support for brush	106073	
32	BS-64A	1	carbon brush holder	920423	
33	BS-64	2	pressing plate of brush	201009	
34	BS-65	1	groove sensor		
35	BS-139-FRM-1120C	1	electromagnetic clutch assembly	A10501	
36	BS-54B	1	middle pulley	105032	
37	BS-54B-35	1	middle pulley shaft	105035	
38	BS-54C-34	1	ink roller shaft pulley	105041	
39	BS-54C	1	seat for ink roller swing pole shaft	201006	

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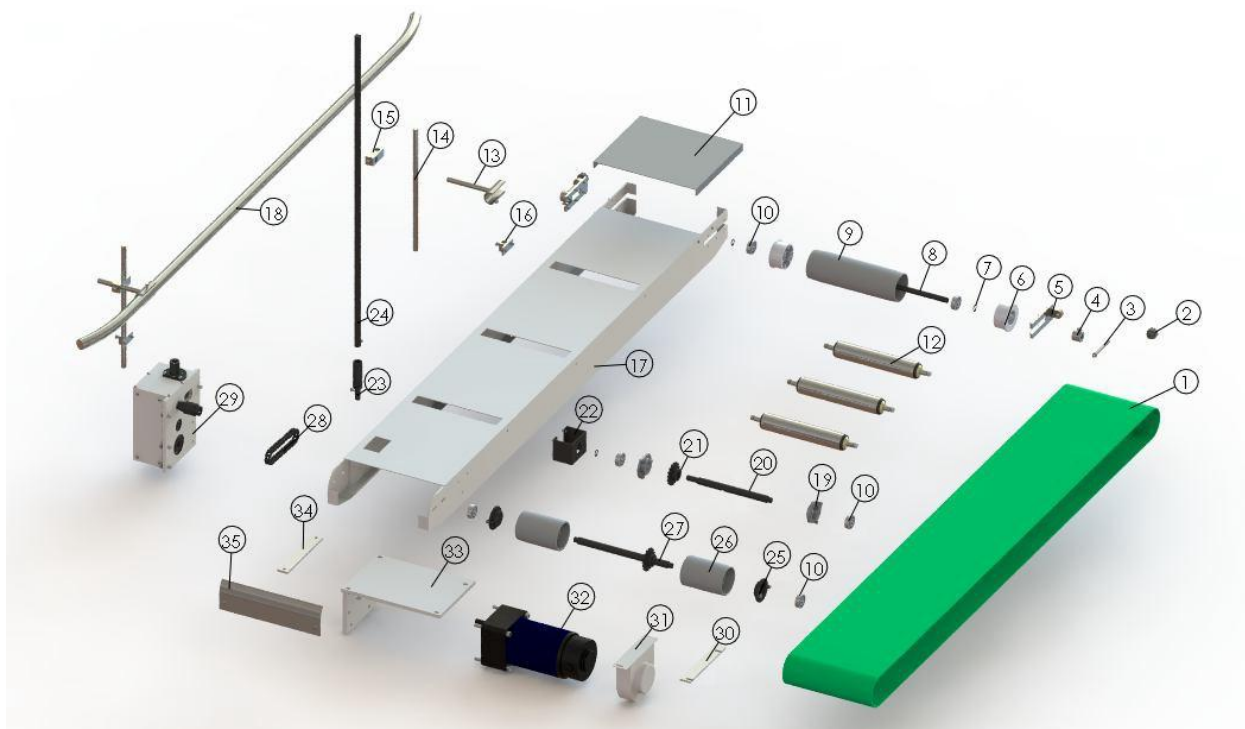


Figure 12. Conveyor Table

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Figure 13. Conveyor Table

Item #	Part #	Quantity	Description	Comments
1	FRM-1120LD-1	1	Conveyor Belt	
2		2	Five-Star (Bakelite)Handle	M6×Φ30
3	FRM-1120LD-16	2	Adjustment Screw	Includes #3, 4
4	FRM-1120LD-16	2	Adjusting Ring	Includes #3, 4
5	FRM-1120LD-16-15	2	Conveyor Belt Adjust Seat	
6	FRM-1120LD-36	2	Rear Roller Plug	Includes #6, 7, 8, 9
7	FRM-1120LD-36	2	Circlip for Shaft (Φ12mm)	Includes #6, 7, 8, 9
8	FRM-1120LD-36	1	Rear Roller Shaft	Includes #6, 7, 8, 9
9	FRM-1120LD-36	1	Rear Roller	Includes #6, 7, 8, 9
10		6	Deep Groove Ball Bearing	6201-2RS
11	FRM-1120LD-15	1	Working Table	
12	FRM-1120LD-36.12	3	Intermediate Roller (Long) Assembly	
13		2	Baffle Support Rod	
14		2	Guide Rod	
15		2	Support Rod Support	
16		2	Guide Rod Support	
17		1	Conveyor Table	
18	FRM-1120LD-1-11521040605	1	Baffle Support	
19	FRM-1120LD-41	2	Conveyor Table Middle Shaft Bearing Seat I	Includes #29, 20, 21, 22
20	FRM-1120LD-41	1	Conveyor Table Middle Shaft	Includes #29, 20, 21, 22
21	FRM-1120LD-41	2	Conveyor Table Chain Wheel	Includes #29, 20, 21, 22
22	FRM-1120LD-41	1	Middle Shaft Pad	Includes #29, 20, 21, 22
23		1	Half-Universal Joint Assembly	
24		1	Vertical Shaft	
25	FRM-1120LD-37	2	Front (Left) Roller Bearing Seat	Includes #25, 26, 27
26	FRM-1120LD-37	2	Front (Left) Roller	Includes #25, 26, 27
27	FRM-1120LD-37	1	Front (Left) Roller Shaft	Includes #25, 26, 27
28		1	Three-joint Chain	(06B-1×42L) 42 segment
29	FRM-1120LD-30	1	Gear Box	
30	FRM-1120LD-1-30	1	Front Baseplate	
31		1	Motor Safety Cover	
32	FRM-1120LD-29	1	Reducer Motor	100ZYT-08-40GK/220V
33		1	Reducer Installing Board	
34	FRM-1120LD-1-34	1	Rear Subplate	
35	FRM-1120LD-1-1	1	Outfeed Board	

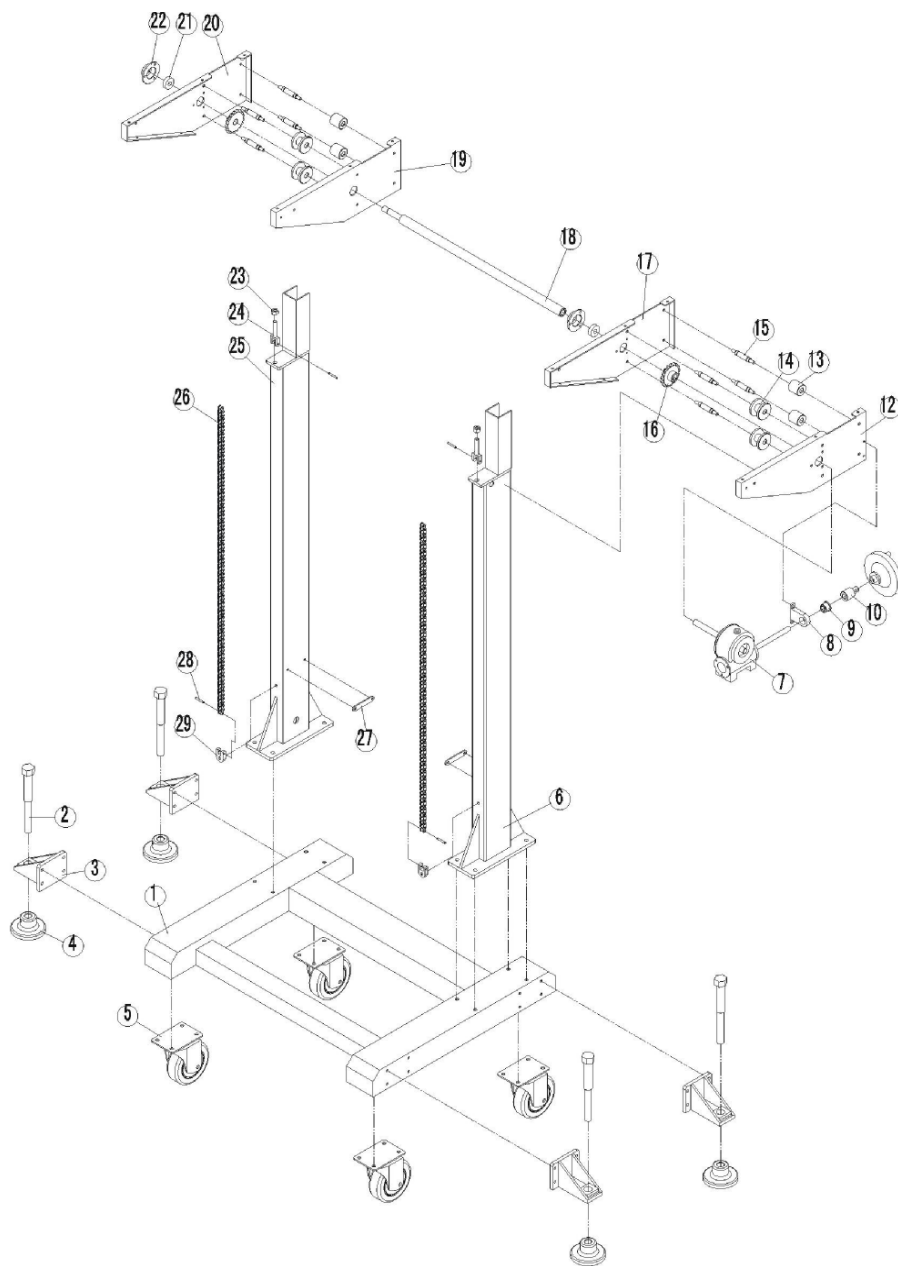


Figure 14. Sealer Rack

Figure 15. Sealer Rack

Item #	Part #	Quantity	Description	Reference	Comments
1		1	chassis		
2		4	foot plate bolt		
3		4	foot plate support		
4		4	foot plate		
5		4	caster	910205	
6		1	right upright post		
	FRM-1120LD-29	1	motor		Not shown
	BS-29A_FRM-1120LD	2	motor brush		Not shown
7	FRM-1120LD-30	4	wormgear case assembly		
8		1	worm support seat	111077	
9		1	worm bushing	111078	
10		1	connecting head of handle	111086	
11		1	handwheel	930107-2	
12		1	right-out support plate for conveyor table		
13		4	rear roller	111071	
14		4	front roller	111070	
15	FRM-1120LD-72-15	8	lifting roller shaft	111072	
16	FRM-1120LD-72-16	2	lifting sprocket	111080	
17		1	right-inner support plate for conveyor		
18	FRM-1120LD-72-18	1	lift sprocket shaft	111079	
19		1	left inner support board of conveyor table		
20		1	left out support board of conveyor table		
21	FRM-1120LD-72-21	2	shaft sleeve of lift sprocket	111082	
22	FRM-1120LD-72-22	2	bearing seat for lift sprocket	111081	
23		2	nut	GB/T41-2000	
24	FRM-1120LD-72-24	2	screw rod	111085	
25		1	left upright post		
26	FRM-1120LD-72-26	2	chain	930603	
27		2	limiting plate for conveyor table		
28		4	chain pin	111084	
29		2	chain seat	111083	

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