



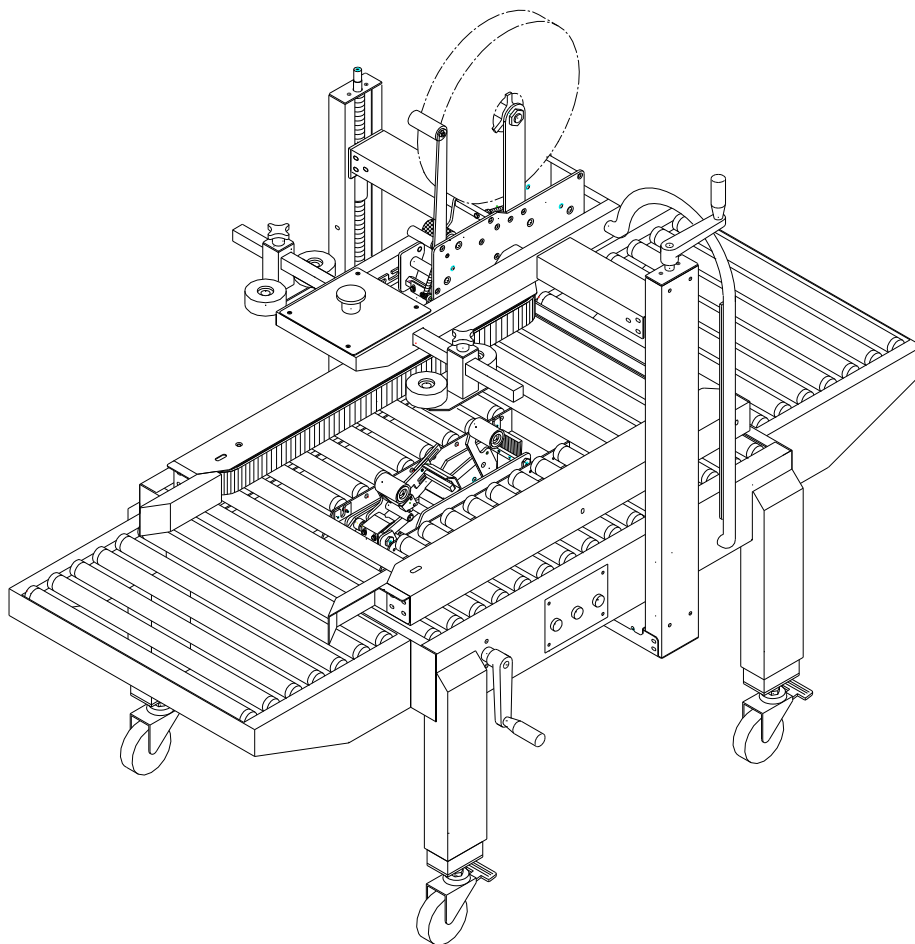
**WHITTAKER
PACKAGING
SOLUTIONS**

WP-103SD

• • •

SEMI-AUTOMATIC CARTON

SEALING MACHINE



1. GENERAL

1.1 Notice of installation	2
1.2 Notice of operation	2

2.SPECIFICATION

2.1 spec. table	3
2.2 Machine dimension	4
2.3 Machine description.	5

3.OPERATION DESCRIPTION

3.1 Installation	6
3.2 operation of control panel	8

4.COUNTER INSTRUCTION 9

5.ELECTRIC

5.1 Electric capacity	9
5.2 Electric diagram	10

6.TROUBLE SHOOTING

6.1 Belt adjustment	14
6.2 Fuse replacement	14

7.PARTS LIST

7.1 side belt	15
7.2 column.	18
7.3 Machine body	21

1. GENERAL

1.1 Notice of installation

To make sure of a safe and correct operation, please check the below items before installing the machine:

- 1) Power source capacity must be larger than the machine need.
- 2) A shorter ground wire is better.
- 3) Machine standard power is 110V/220V (-15% - +10%).
- 4) Machine standard power Hertz is 50/60 Hz. ($\pm 2\%$)
- 5) Machine is good between temperatures 0°C - 45°C .
- 6) Any thing/substance around the machine should not produce loud noise and vibration.

1.2 Notice of operation

To have good protection for the operator, please make sure of the following conditions:

- 1) Before operating, please read the machine manual carefully.
- 2) Make sure no good have been put on the power cable.
- 3) Make sure no goods been have put on the upper tape head unit.
- 4) Don't allow damp parts or water to touch the electric parts.

2. SPECIFICATION

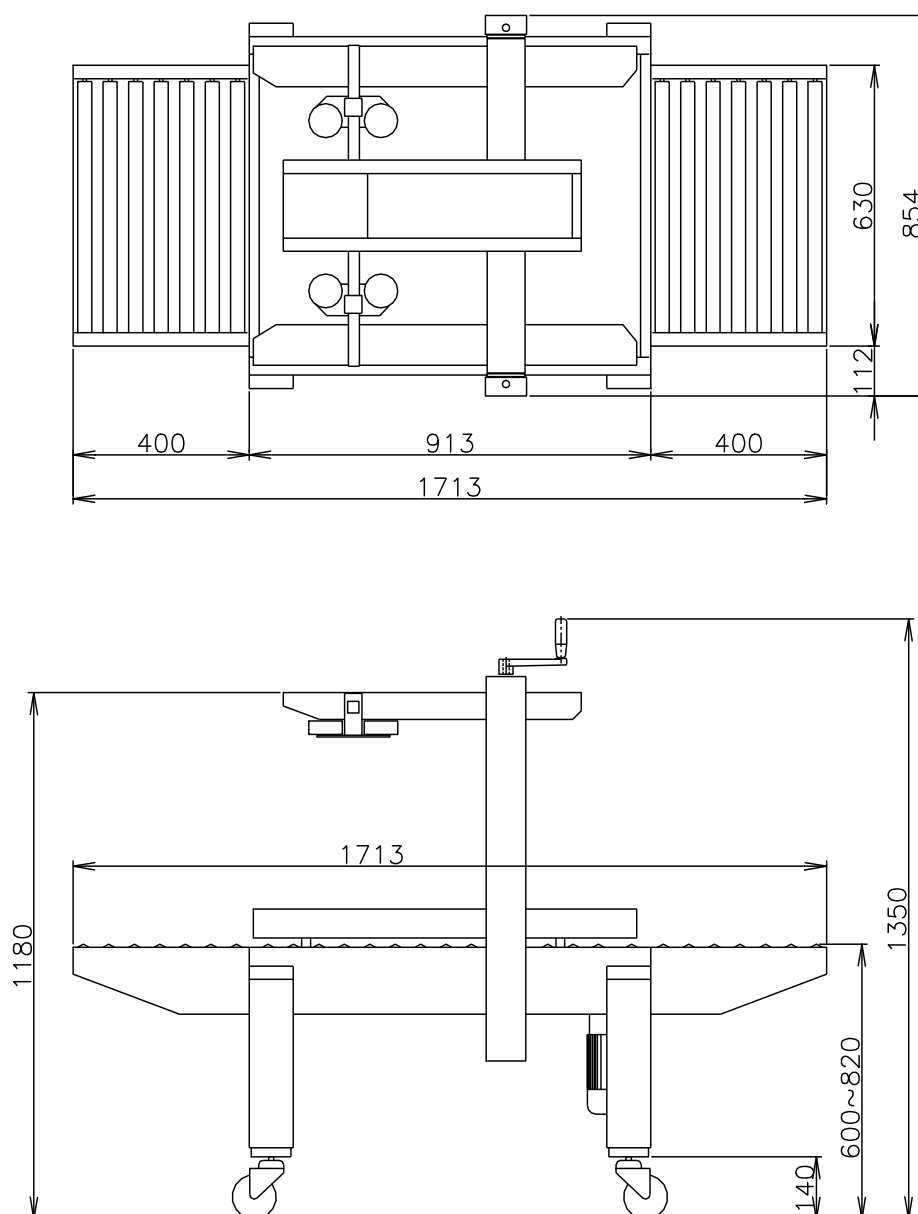
2.1 spec. table

model	WP-103SD
Tape	36mm(1.5") or 50mm(2")
Belt speed	23m/min
Capacity	(L)120mm~unlimited (W)100mm~500mm (H)120mm~500mm
Consumption	450w
Machine size	1713mm(L)x854mm(W)x1350mm(H)
Sound level	60dB
Machine net weight	160KG

Standard option:

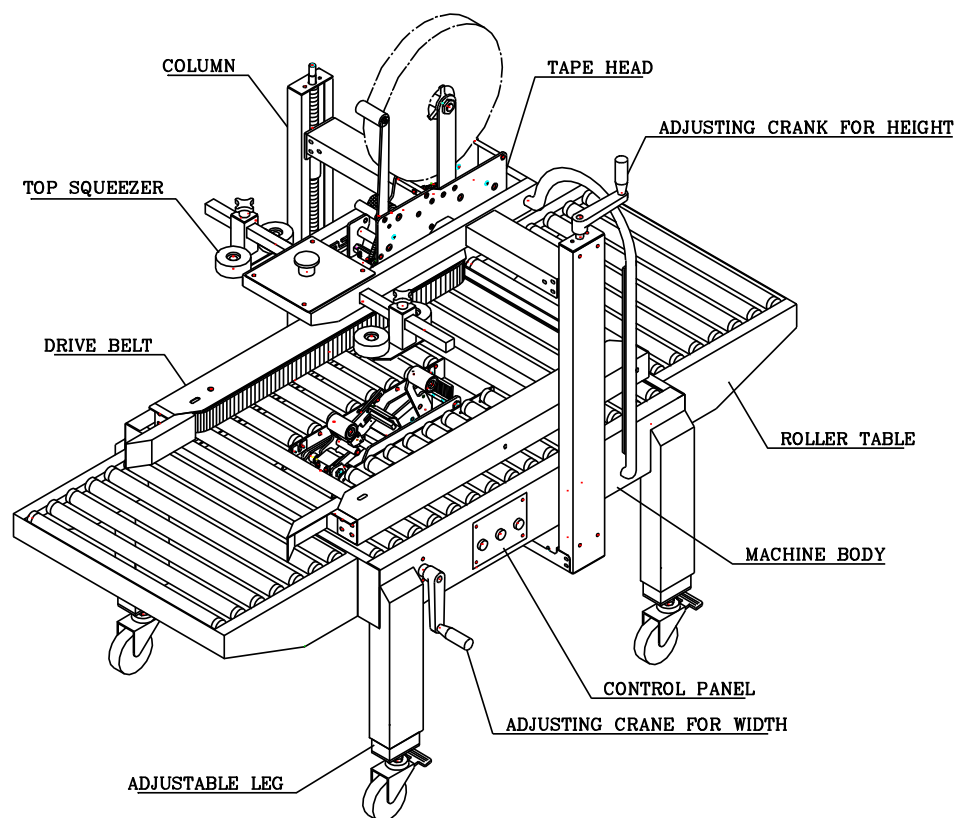
- Stainless plant
- 3" tape head
- CASE SIZE : 700mm(W)X700mm(H)

2.2 Machine dimension



EXC-103SD

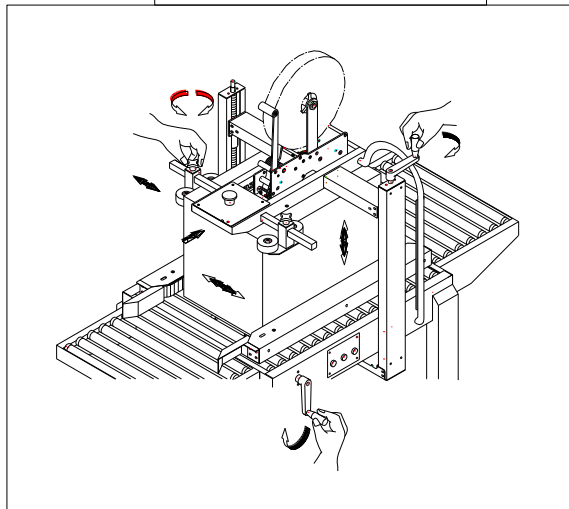
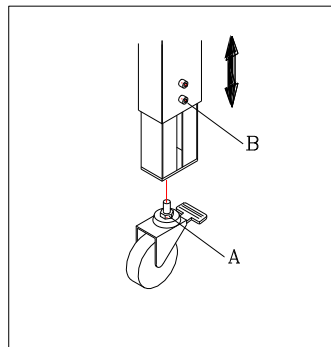
2.3 Machine description



3. OPERATION DESCRIPTION

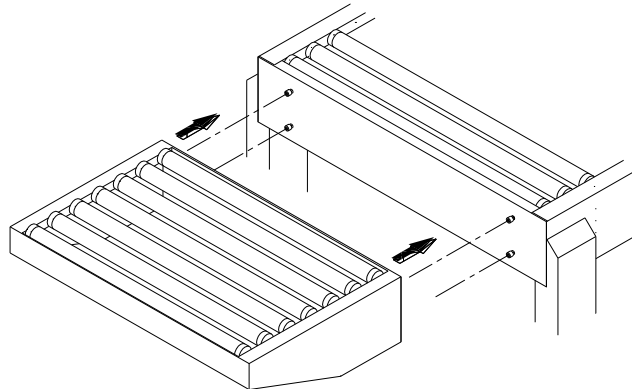
3.1 Installation

- 1) Open the box. Please remove carefully to avoid damaging the machine.
- 2) Lift the machine to install casters (4 wheels), at the same time tighten the A nut to fix the casters in place.
- 3) Set the machine to the desired height, then tighten the B screw.



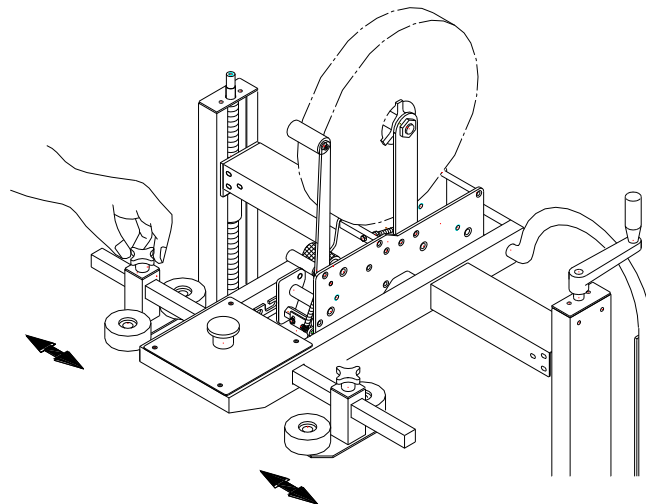
- 4) Set up the machine and move to the desired place.

5) Attach the roller table to the machine body.



6) Load the tape head with tape. (Please refer to the tape head instruction manual)

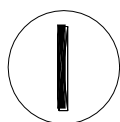
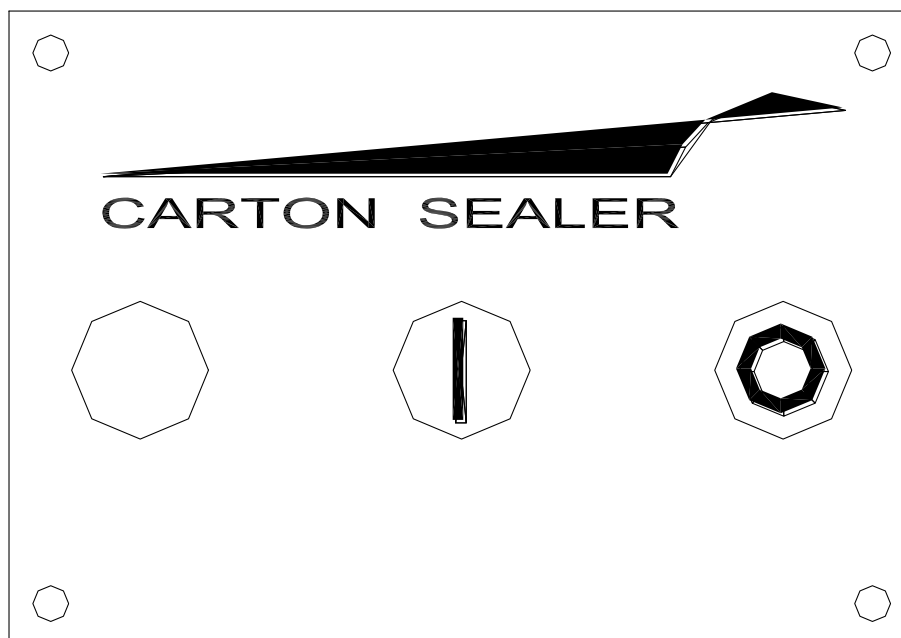
7) Place a box filled with product on the infeed conveyor, position on the side drive belts and top section to accommodate the desired box width and height by using the width and height adjustment crank. Follow by adjusting the tow handle knobs against the sides of carton to secure the carton's center.



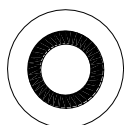
8) Connect the power cable with the socket to a 110V/220V power source.

9) Plug in, press "start" button for testing.

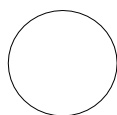
3.2 OPERATION OF CONTROL PANEL



Press to start motors and belts.



Press to stop motors and belts.



Power indicator off: when machine is in operation.
Power indicator on: when machine is not in operation.

4. COUNTER INSTRUCTION

1. It is forbidden to cancel, disassemble, modify or not respect the implemented safety measures. In that case, the manufacturer will not be hold responsible for any possible damage caused.
2. Do not use the machine in a place where water and oil might splash
3. Use only the specify power supply cable
4. Do not pull the power supply cable to move the machine. It will damage or break the cord
5. Do not use the machine in any way which is not specified in this manual
7. It is forbidden to exceed the limits of use and operation on what regards weights and sizes of loads.
8. It is forbidden to use the machine with unstable loads which show hazard of falling.

5. ELECTRIC

5.1 Electric capacity

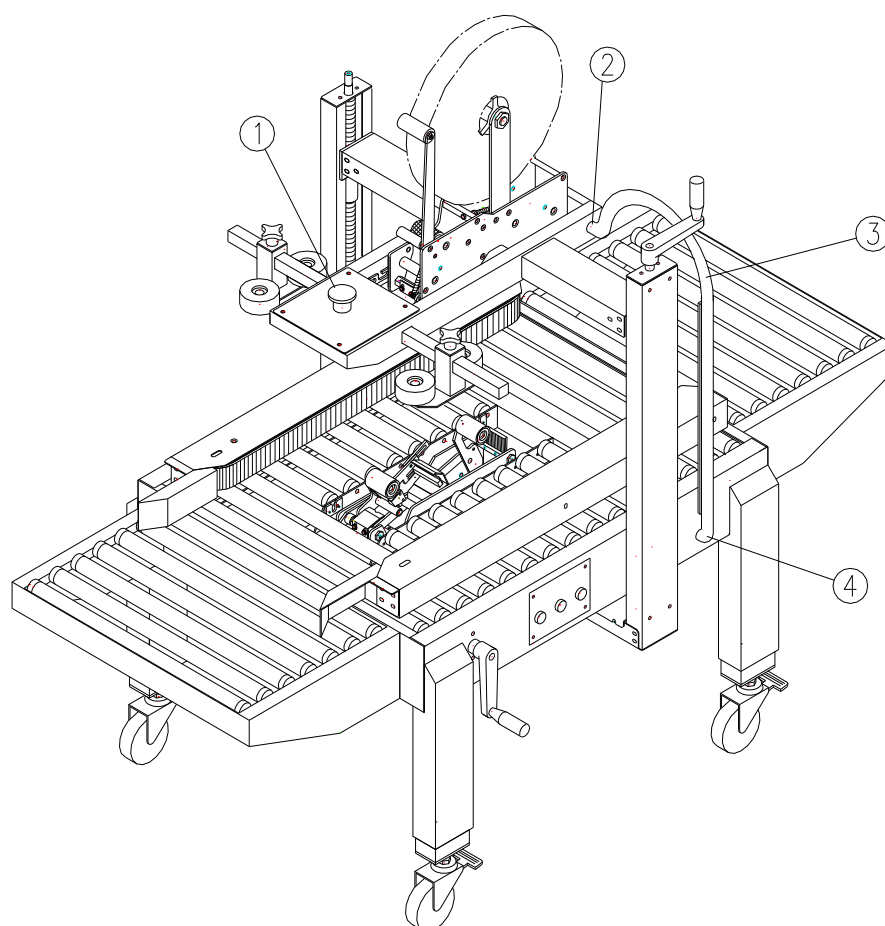
1)Power consumption

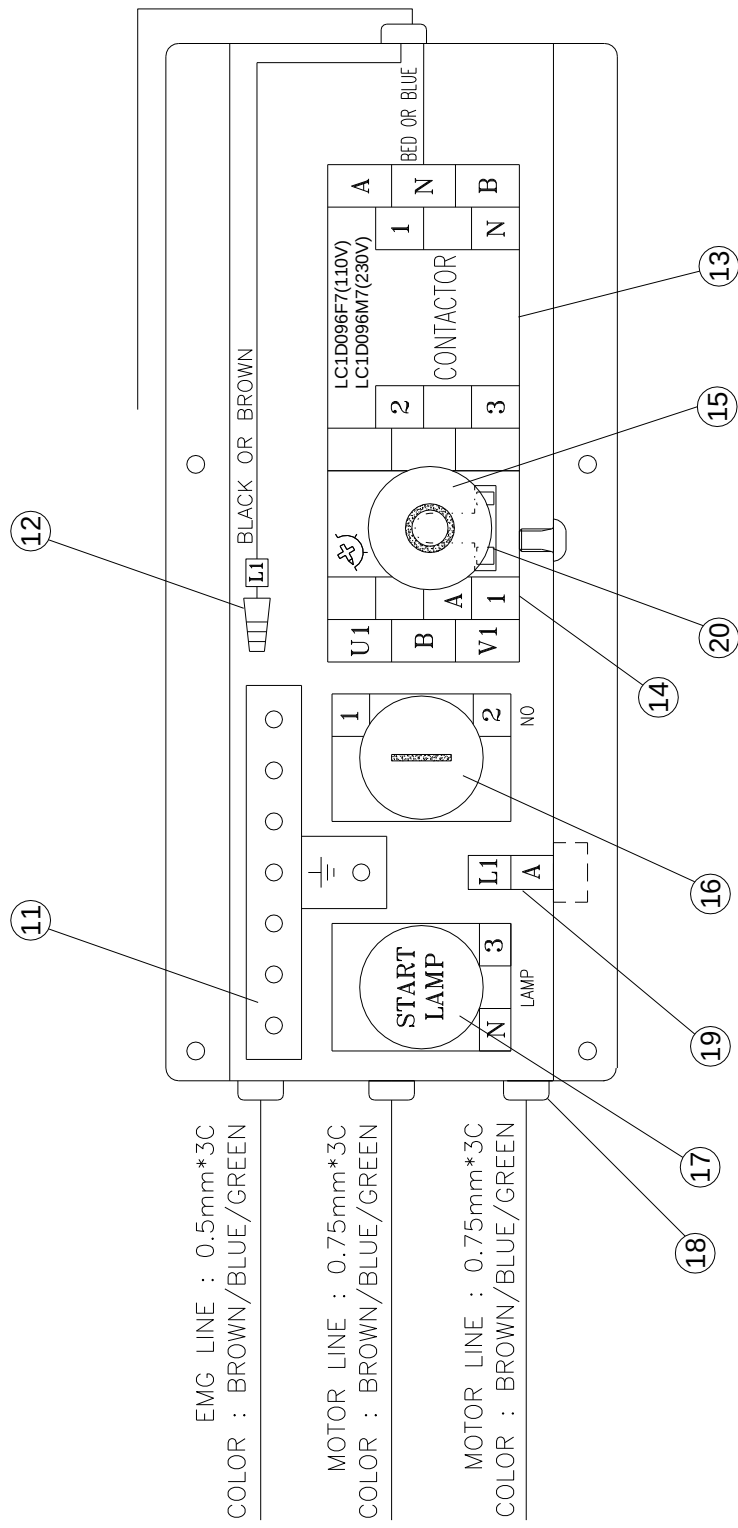
Belt motor	0.18*2KVA
Machine power rating	0.4KVA
Power requirement	0.5KVA

2)Power cable 1.25mm²

3)Machine input AC 110v/220V 1-Phase

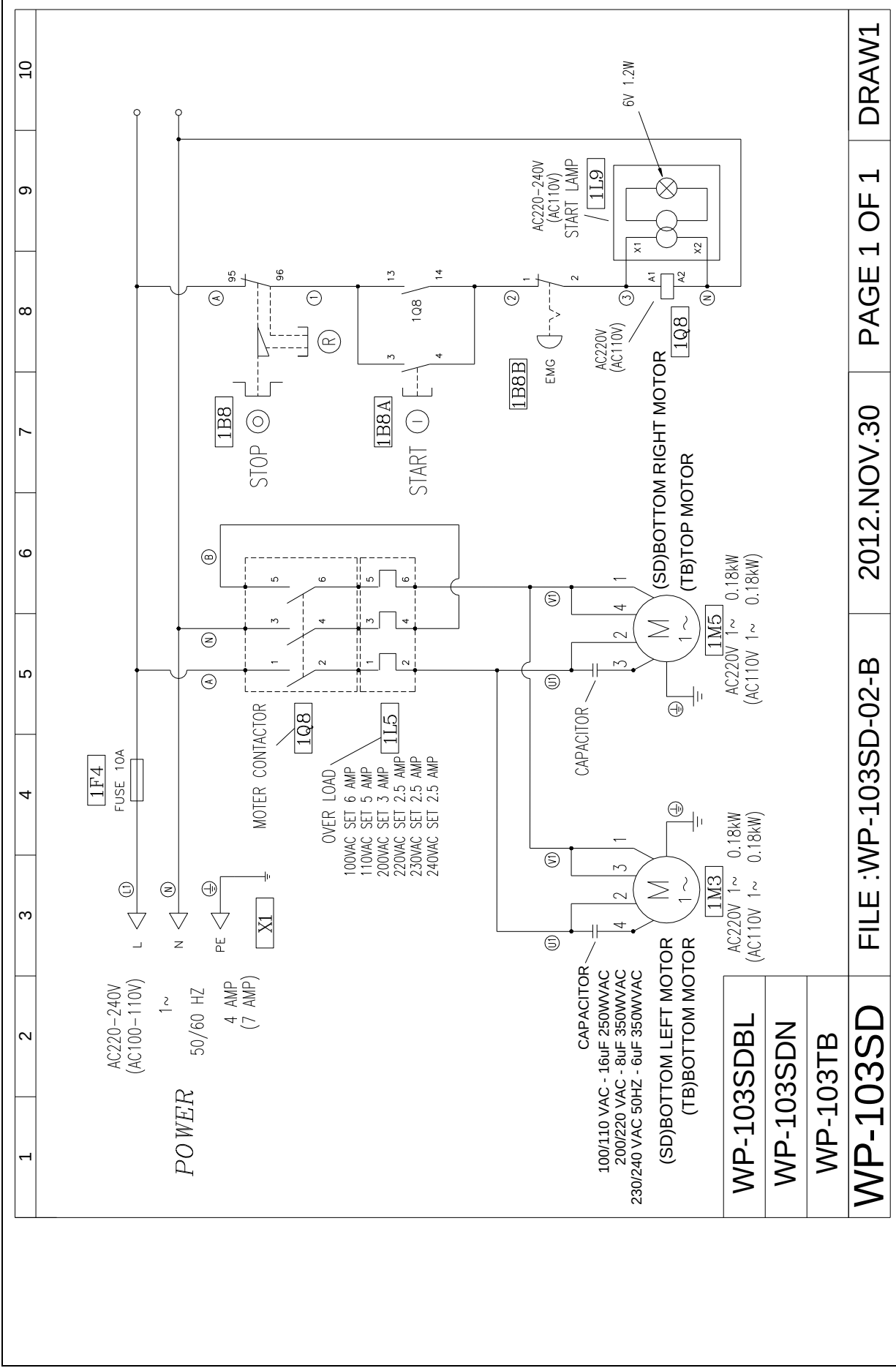
5.2 Electric diagram





EXC-103SDN
EXC-103SDBL
EXC-103TB
EXC-103SD

ELECTRICAL LAYOUT



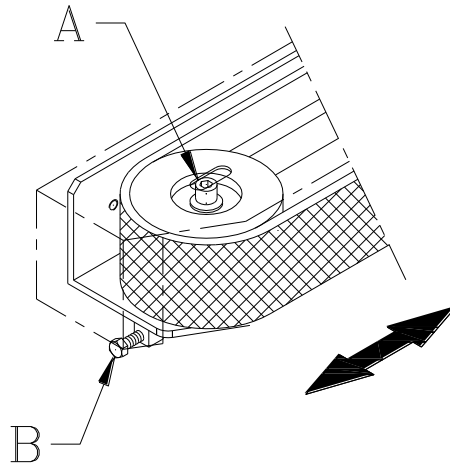
ELECTRIC PARTS LIST FOR WP-103SD

KEY NO	PART NO.	DESCRIPTION	Q'TY
1	P0313-010006300	EMG. SWITCH w/ SEAT CONTACT	1
2	P0401-0000200	1/2" CONNECTOR	1
3	P0316-040000500	1/2" PROTECT TUBE	1
4	P0401-0000100	1/2" 90° CONNECTOR	1
11	P0304-010000100	TERMINAL BLOCKS TB6P	1
12	P0326-020000100	CONNECTOR	1
13	P0306-010000300	CONTACTOR LC1-D09F7 110V	1
	P0306-010000200	CONTACTOR LC1-D09M7 220V	1
14	P0306-040000500	OVERLOAD PROT. LR3-D106 (4-6A,110V)	1
	P0306-040000200	OVERLOAD PROT. LR3-D086 (2.5-4A,220V)	1
15	P0313-010001100	BUTTON RED	1
	P0313-010002800	BUTTON SEAT	
16	P0313-010001200	BUTTON GREEN	1
	P0313-020000800	BUTTON CONTACT NOX1	1
17	P0321-0000600	POWER LAMP+SEAT 220V	1
	P0312-010000300	POWER LAMP COVER	1
	P0321-0001600	POWER LAMP+SEAT 110V	1
	P0312-010000300	POWER LAMP COVER	1
18	P0316-010000210	FIXED SEAT	4
19	P0305-030000400	FUSE	1
	P0305-020000200	FUSE SEAT	1
20	P0313-010002800	ENCLOSURE	1

6. TROUBLE SHOOTING

6.1 Belt adjustment

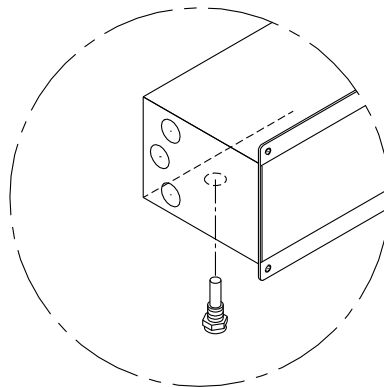
- 1) loosen the belt screw (A) to adjust the belt to a suitable tension screw (B).



6.2 Fuse replacement

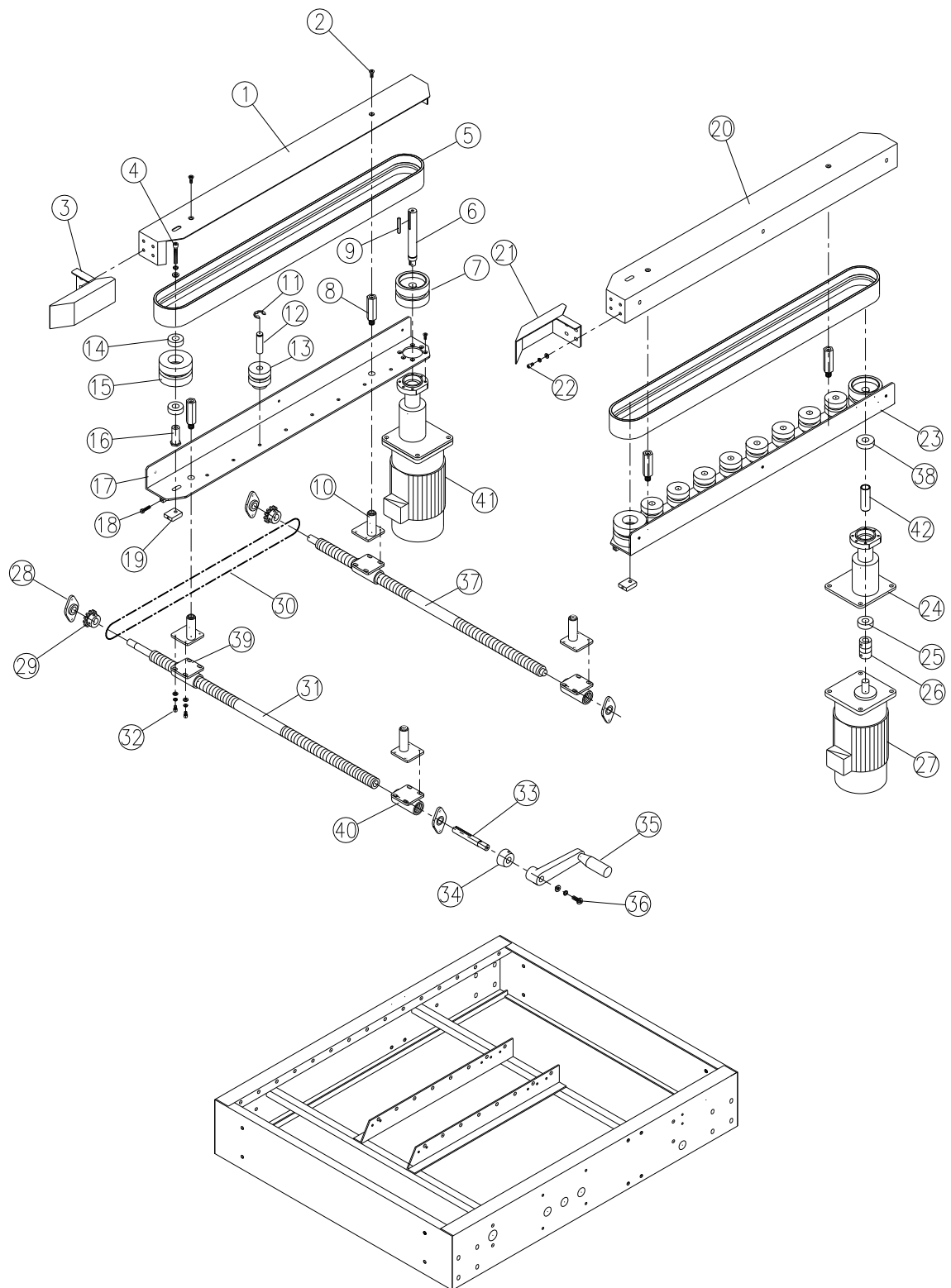
Symptom: machine will not start to operate.

- (a) Please check the power input.
- (b) Release the E-stop button.
- (c) Press start button to release over load.
- (d) Check to see if the fuse is in good condition. If faulty, replace with new fuses as shown in the diagrams.
- (e) Confirm the steps above and re-start the machine.



7. PART LIST

7.1 side belt



PARTS LIST FOR EXC-103SD

KEY NO	PART NO.	DESCRIPTION	Q'TY
1	P01-0122200	SIDE BELT COVER	1
2	P1101-0606010AN	SCREW M6*10L & S.W & W	4
3	P01-0136600	GUIDE PLATE	1
4	P1101-0508070AN	SCREW M8*70L & W	2
5	P0902-000150A	BELT	2
6	P02-008020A	MOTOR SHAFT	2
7	P0703-0003400	PULLEY DRIVER	2
8	P02-0080000	SPEDIAL SCREW	4
9	P1108-010505038G	KEY 5*5*38L	2
10	P02-0079900	SUPPORT SHAFT	4
11	P1105-0112B	RING STW-12	16
12	P02-0079600	PULLEY SHAFT	16
13	P0703-0003300	PLASTIC PULLEY	16
14	P1104-026003ZZ0	BEARING 6003ZZ	4
15	P0703-0003200	PULLEY FOLLOWER	2
16	P02-0079500	PULLEY SHAFT	2
17	P01-0136400	SUPPORT COLUMN	1
18	P1101-0305045AZ	SCREW M5*45L	2
19	P02-0080100	ADJUSTMLNT BLOCK	2
20	P01-0122100	SIDE BELT COVER	1
21	P01-0136700	GUIDE PLATE	1
22	P1101-0506012AN	SCREW M6*12L & S.W & W	8
23	P01-0136500	SUPPORT COLUMN	1
24	P02-0080300	MOTOR SEAT	2
25	P1104-026003ZZ0	BEARING 6003ZZ	2
26	P1121-0000100	UNIVERSAL JOINT	2
27	P0501-0001300	MOTOR 110V/60HZ,T18:1	1
	P0501-0006800	MOTOR 220-230V/60HZ,T18:1	1
	P0501-0001900	MOTOR 220-230V/50HZ,T15:1	1
	P0501-0001100	MOTOR 240V/50HZ,T15:1	1
	P0501-0000900	MOTOR 380V/50HZ,T15:1	1
	P0501-0004900	MOTOR 400V/50HZ,T15:1	1
28	P01-0135000	SHAFT SEAT	4
29	P0702-0004800	CHAIN SPPOCKET	2
30	P0901-0000100	CHAIN	1
31	P02-0079200	SPINDLE WIDTH ADJUSTMENT	1

S.W: SPRING WASHER

W: WASHER

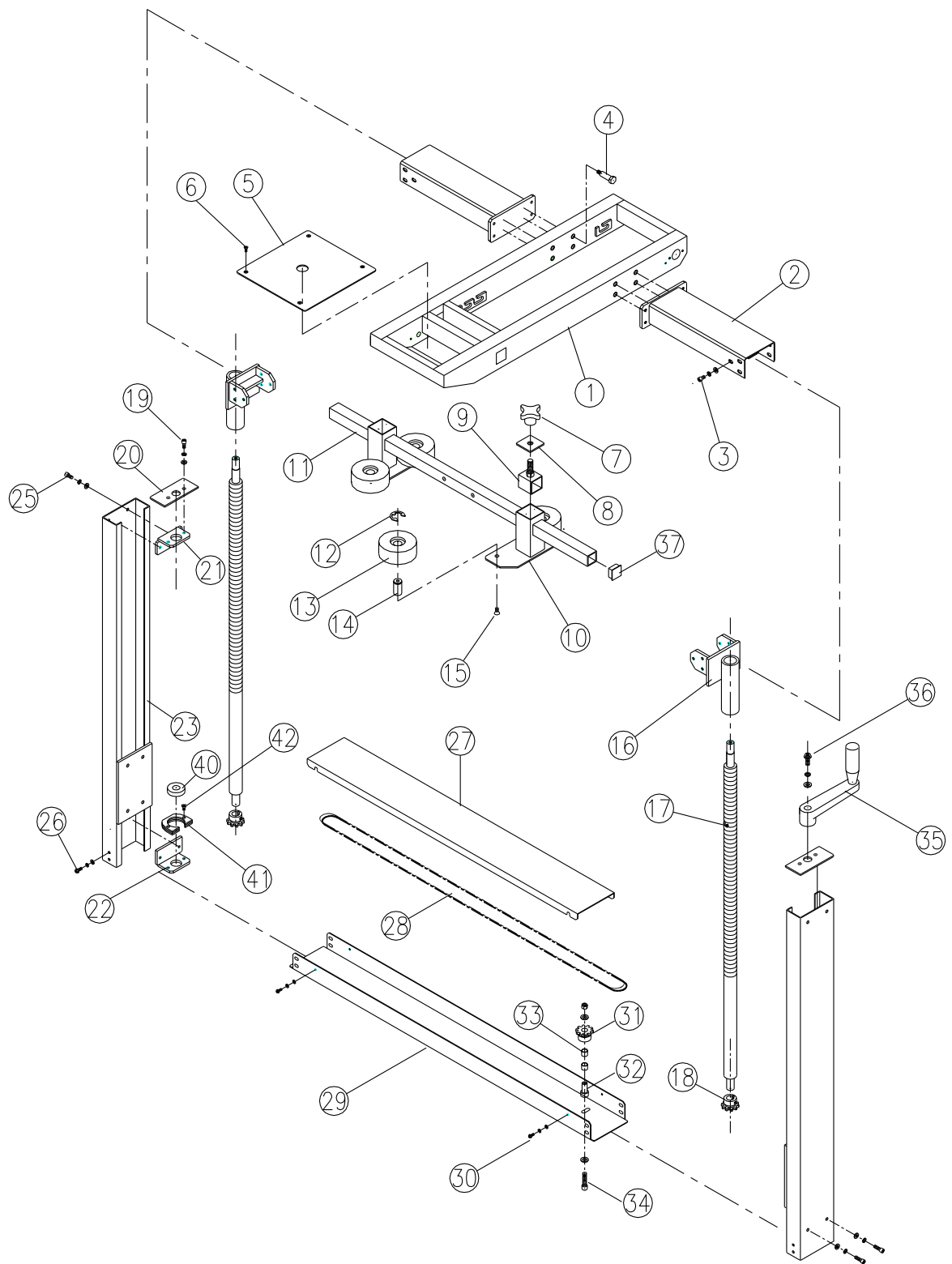
PARTS LIST FOR EXC-103SD

KEY NO	PART NO.	DESCRIPTION	Q'TY
32	P1101-0506012AN	SCREW M6*12L & S.W & W	8
33	P02-0079400	SHAFT	1
34	P06-0022600	HANDLE RING	2
35	P1112-000060A	HANDLE CRANK ARM	1
36	P1101-0506020AN	SCREW M6*20L & S.W & W	1
37	P02-0079300	SPINDLE WIDTH ADJUSTMENT	1
38	P1104-0262032RS0	BEARING 6203ZZ	2
39	P02-0079800	SPINDLE SUPPORT	2
40	P02-0079700	SPINDLE SUPPORT	2
41	P0501-0001200	MOTOR 110V/60HZ,T18:1	1
	P0501-0006500	MOTOR 220-230V/60HZ,T18:1	1
	P0501-0001500	MOTOR 220-230V/50HZ,T15:1	1
	P0501-0001000	MOTOR 240V/50HZ,T15:1	1
	P0501-0000800	MOTOR 380V/50HZ,T15:1	1
	P0501-0004600	MOTOR 400V/50HZ,T15:1	1
42	P02-0080400	SPACER	2
	P0318-040002400	MOTOR CAPACITOR (200~220V) 8uf	2
	P0318-040000200	MOTOR CAPACITOR (100~110V) 16uF	2
	P0318-040002600	MOTOR CAPACITOR (230~240V) 6uF	2

S.W: SPRING WASHER

W: WASHER

7.2 column



PARTS LIST FOR EXC-103SD

KEY NO	PART NO.	DESCRIPTION	Q'TY
1	P01-013430B	TAPING SET SUPPORT	1
2	P01-013550A	SUPPORT SET	2
3	P1101-0506012AN	SCREW M6*12L & S.W & W	12
4	P02-0078700	LINING	8
5	P01-013460A	COVER PLATE	1
6	P1101-0404006AB	SCREW M4*6L	4
7	P1113-0001500	HANDLE KNOB	2
8	P01-0134100	LOCKING BRACKET	2
9	P01-0134000	SCREW KNOB	2
10	P01-0135400	COMPRESSION ROLLER SEAT	2
11	P01-0134200	SUPPORT BAR	1
12	P1105-0117B	RING STW-17	4
13	P06-0022400	COMPRESSION ROLLER	4
14	P02-0078600	COMPRESSION ROLLER SHAFT	4
15	P1101-0406010AN	SCREW M6*10L	4
16	P02-007890A	SPINDLE SUPPORT	2
17	P02-0078800	HEIGHT ADJUSTMENT SPINDLE	2
18	P0702-0004600	CHAIN WHEEL	2
19	P1101-0506012AN	SCREW M6*12L & S.W & W	4
20	P01-013580A	COVER PLATE	2
21	P01-0134700	SET PLATE	2
22	P01-0134800	SET PLATE	2
23	P01-013570A	COLUMN	2
24			
25	P1101-0506012AN	SCREW M6*12L & S.W & W	8
26	P1101-0506012AN	SCREW M6*12L & S.W & W	8
27	P01-0136000	CHAIN PLATE	1
28	P0901-0000200	CHAIN	1
29	P01-0135900	CHAIN COVER	1
30	P1101-0104010AZ	SCREW M4*10L & S.W & W	4
31	P0702-0004700	CHAIN WHEEL	1
32	P02-0079000	CHAIN WHEEL SHAFT	1
33	P1104-081012100	BUSH Ø10 x Ø12 x 10L	2
34	P1101-0506035AN	SCREW M6*35L & S.W & NUT	1
35	P1112-000060A	HANDLE CRANK ARM	1

S.W: SPRING WASHER

W: WASHER

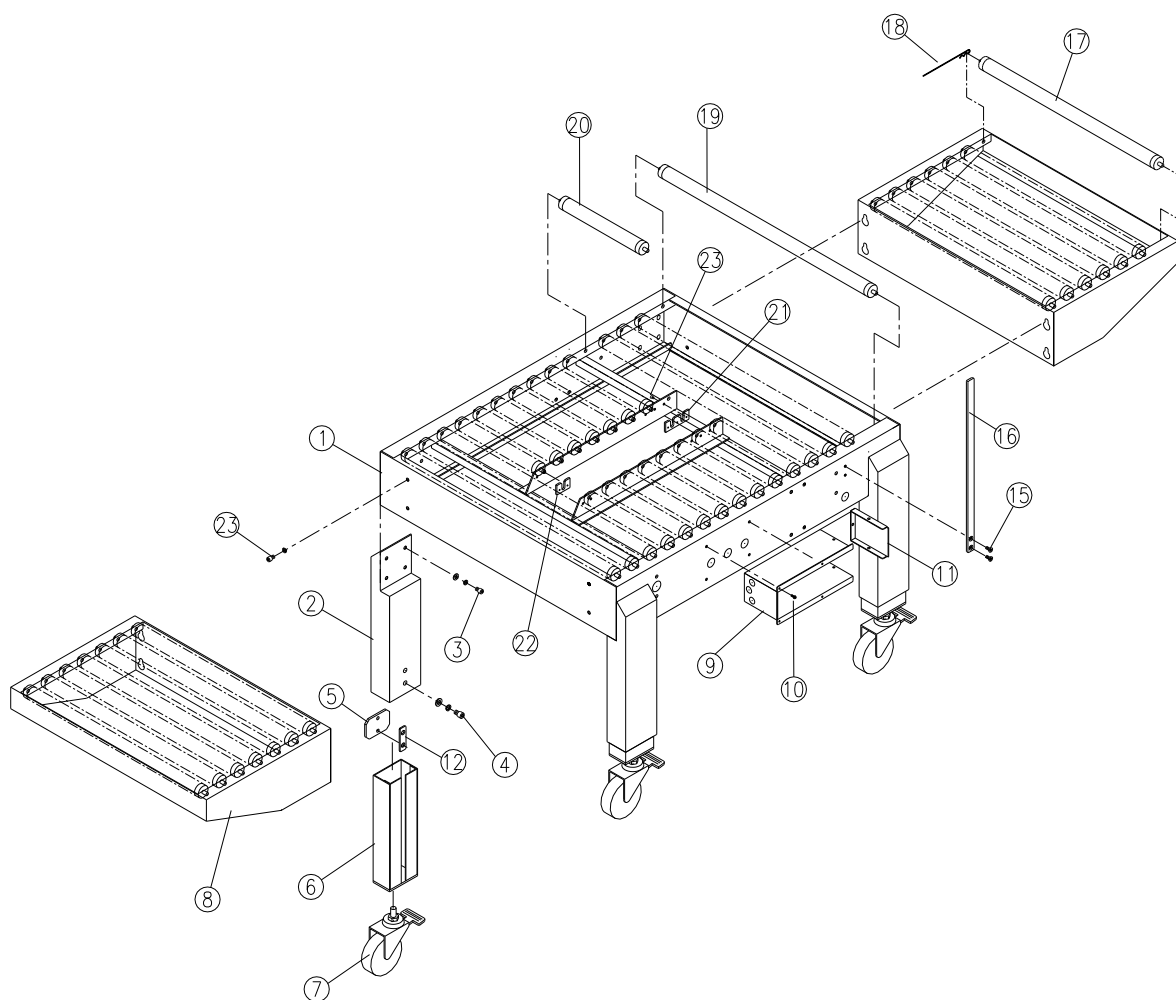
PARTS LIST FOR EXC-103SD

KEY NO	PRAT NO.	DESCRIPTION	Q'TY
36	P1101-0908020AN	SCREW M8*20L & S.W & W	1
37	P1114-010000300	RUBBER PLUG	2
38			
39			
40	P1104-026202ZZ0	BEARING 6202ZZ	2
41	P06-0022500	BEARING SEAT	2
42	P1101-0406016AN	SCREW M6*16L	4

S.W:SPRING WASHER

W:WASHER

7.3 Machine body



PARTS LIST FOR EXC-103SD

KEY NO	PART NO.	DESCRIPTION	Q'TY
1	P01-013610A	MACHINE FRAME	1
2	P01-0136200	MACHINE LEG	4
3	P1101-0508016AN	SCREW M8*16L & S.W & W	16
4	P1101-0510016AN	SCREW M10*16L & S.W & W	8
5	P01-013490A	CLAMP	4
6	P01-013630A	ADJUSTABLE LEG	4
7	P1107-0001000	CASTER	4
8	CA400100	ROLLER SEAT	2
9	P01-0092000	ELECTRICAL BOX	1
10	P1101-0605010AN	SCREW M5*10L	4
11	P01-0137000	ELECTRICAL COVER	1
12	P01-0135300	WASHER	4
13			
14			
15	P1101-0406012AN	SCREW M6*12L	2
16	P01-0135600	FIXED SEAT	1
17	P08-0005100	ROLLER	14
18	P1109-030804Z	PIN	26
19	P08-0005000	ROLLER(LONG)	7
20	P08-0004900	ROLLER(SHORT)	16
21	P01-013520A	B-PLATE	2
22	P01-013510A	A-PLATE	2
23	P1101-0508012AN	SCREW M8*12L & S.W & W	8

S.W:SPRING WASHER

W:WASHER