

"NLI" BRAND Model CM4900-3
Automatic Infeed and Bag Top Trimming Device

Instruction Manual



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1. Brief Introduction

Model CM4900-3 is the Automatic Infeed and Bag Top Trimming Device for Paper Bags.

This device has been designed to hold the bag at its bag top between the two feeding belts and to feed bags into the bag top closing machine. The two feeding belts are synchronized in speed by induction motor with bags in procession so that the bag top closing machine properly stitches the bag top.

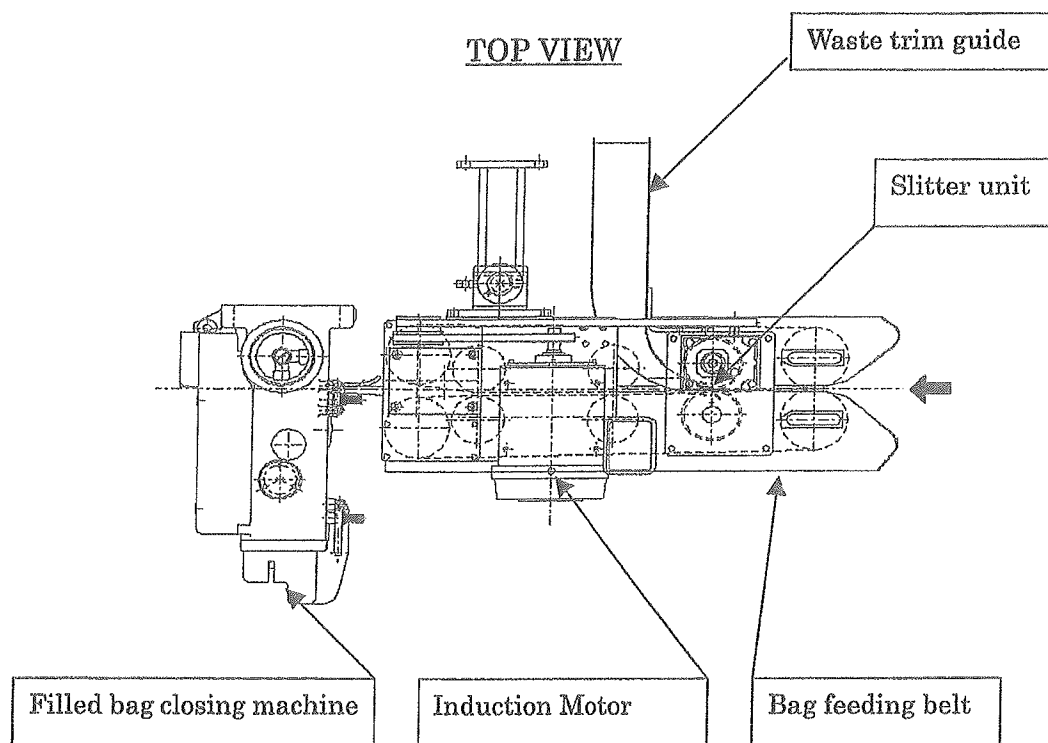
2. Technical Specifications

Power: _____V, _____Hz, 0.2 KW, 4P, 3 Phase

Infeed Speed : 10m / min. (Standard)

3. Mechanical Structure

This model of CM4900-3 can be augmented with slitter knives in order to make the bag edge neater by trimming on its way to the bag top closing machine. The feeding belts and slitter knives are both driven by motor .

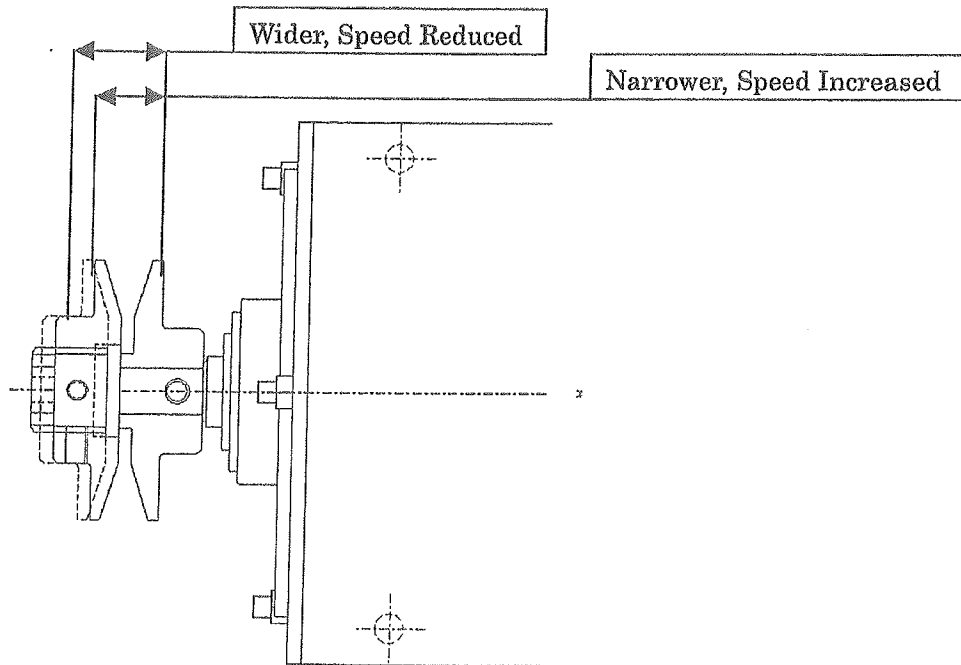


3. Adjustments

[Important Notice] Be sure to disconnect the electrical supply cord from the power source prior to all adjustment and repair works.

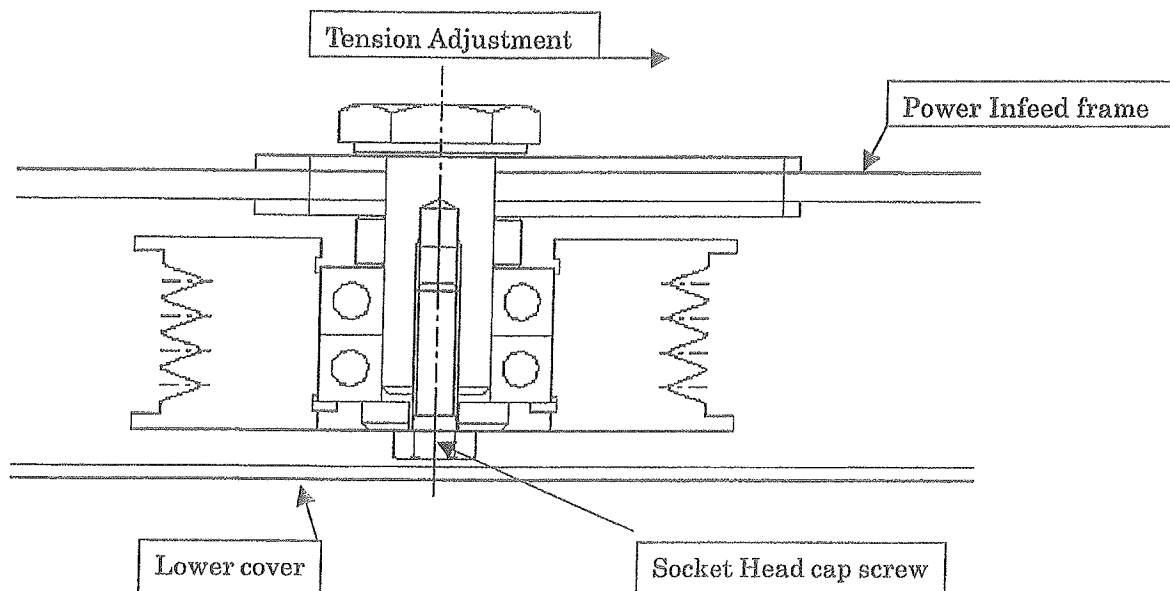
① Feeding belt speed

Bags moving on the conveyer are kept upright only when the feeding belts and the conveyer travel in the same synchronized speed. Belt feeding speed is adjustable to the conveyer speed by way of the variable diameter pulley.



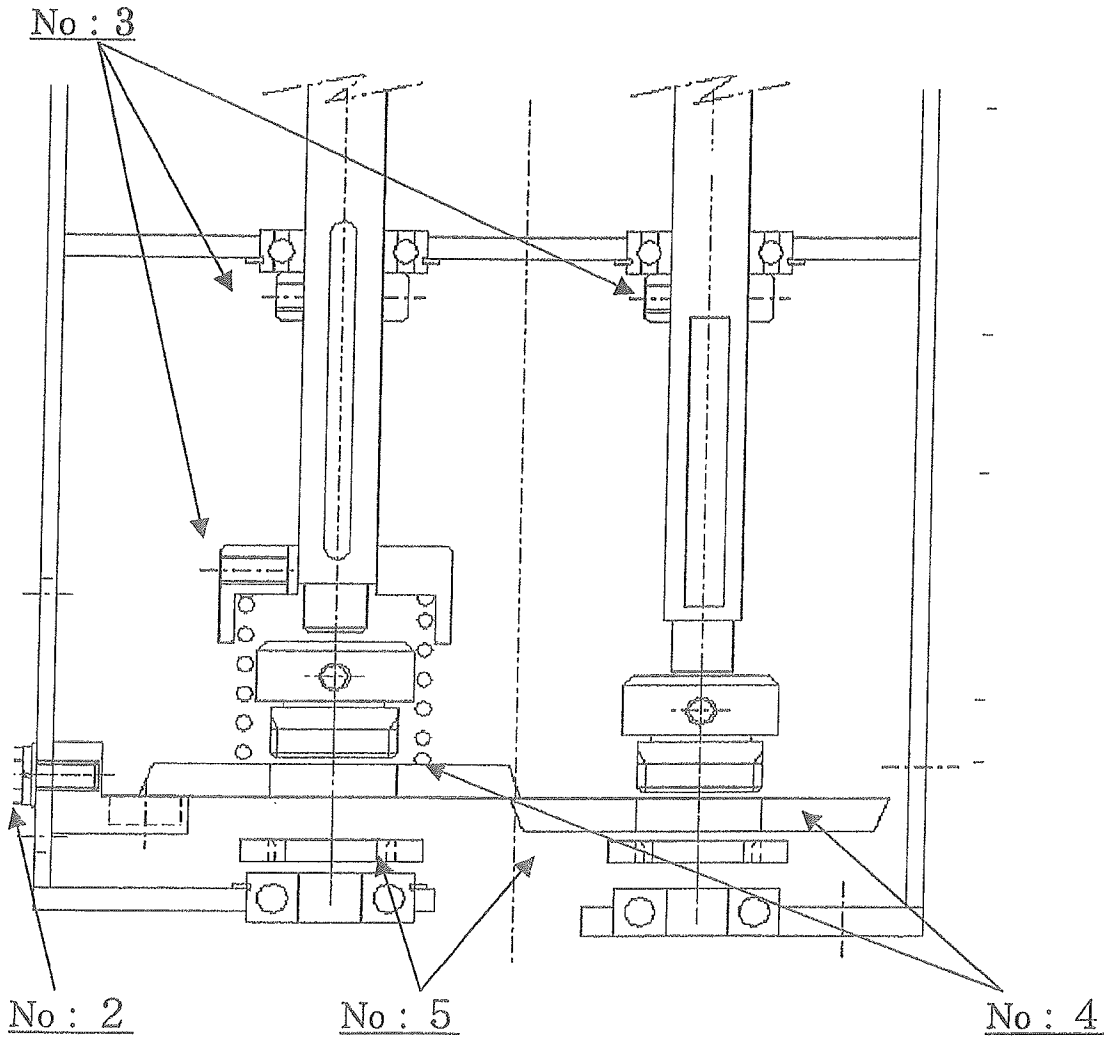
② Belt Tension

Belt tension is adjustable by shifting one of the two pulleys which is located at the infeed point of the belt. Pulleys are fixed onto the frame by the hexagon bolt and cap screw but the infeed side pulley can be shifted within the lateral span of the slit made on the frame. Hold the hexagon bolt tight with the spanner and undo the cap screw to move the pulley along the slit.



③ Steps to change slitter knives (only for the device equipped with the slitter knife unit)

1. Remove the speed reducer, V-belt, slitter guide and waste trim guide.
2. Press down the hub oil reservoir to the utmost bottom point.
3. Loosen screws in the set collar and pull each of two shafts upwardly to remove.
4. Take off each of two slitter knife units.
5. Place the slitter knife units on the table and loosen the nut fixing the knife onto the set collar. Then remove knives to replace.
6. Place a replacement knife onto the set collar and tighten the set collar with nuts.
7. To fix those initially removed, trace the steps in an ascending order from Step 6 above.

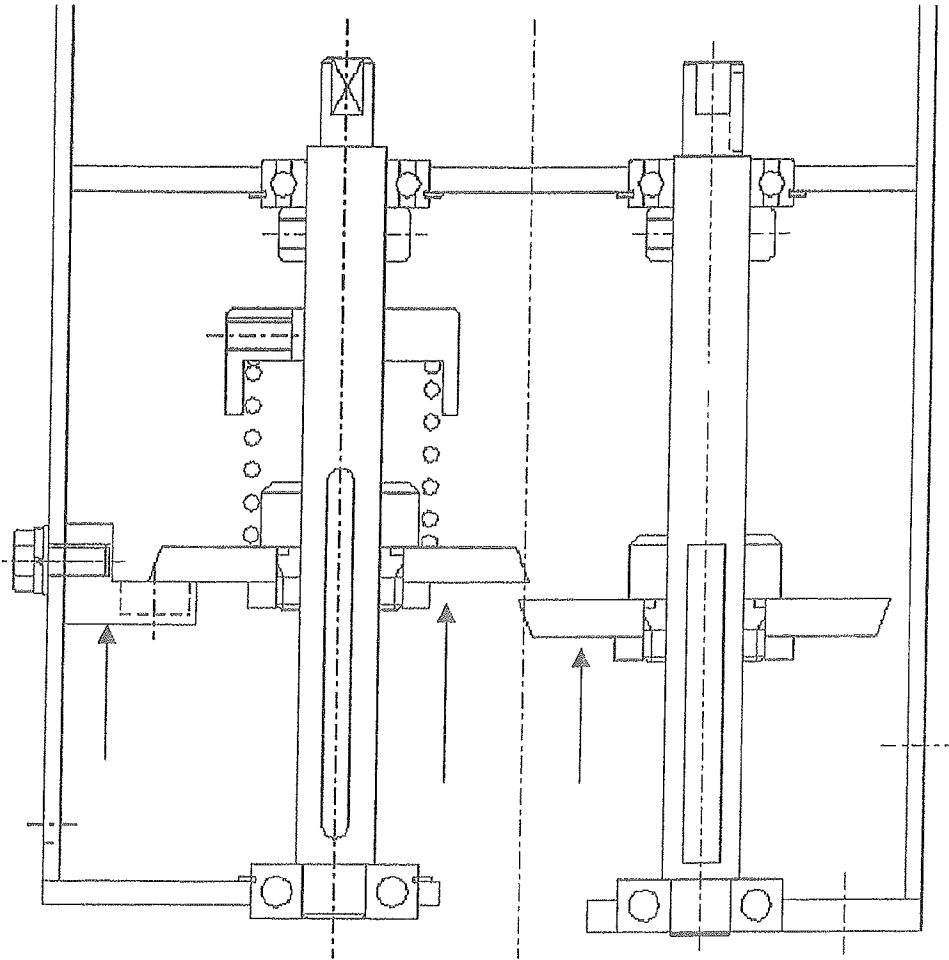


④ Steps to make the slitter knife unit idle

Loosen both of the bolt holding the lub oil reservoir and the set collar capping over the springs which stabilize the slitter knife position. Then pull up the knife in order for two blades not to mesh in a scissor like action.

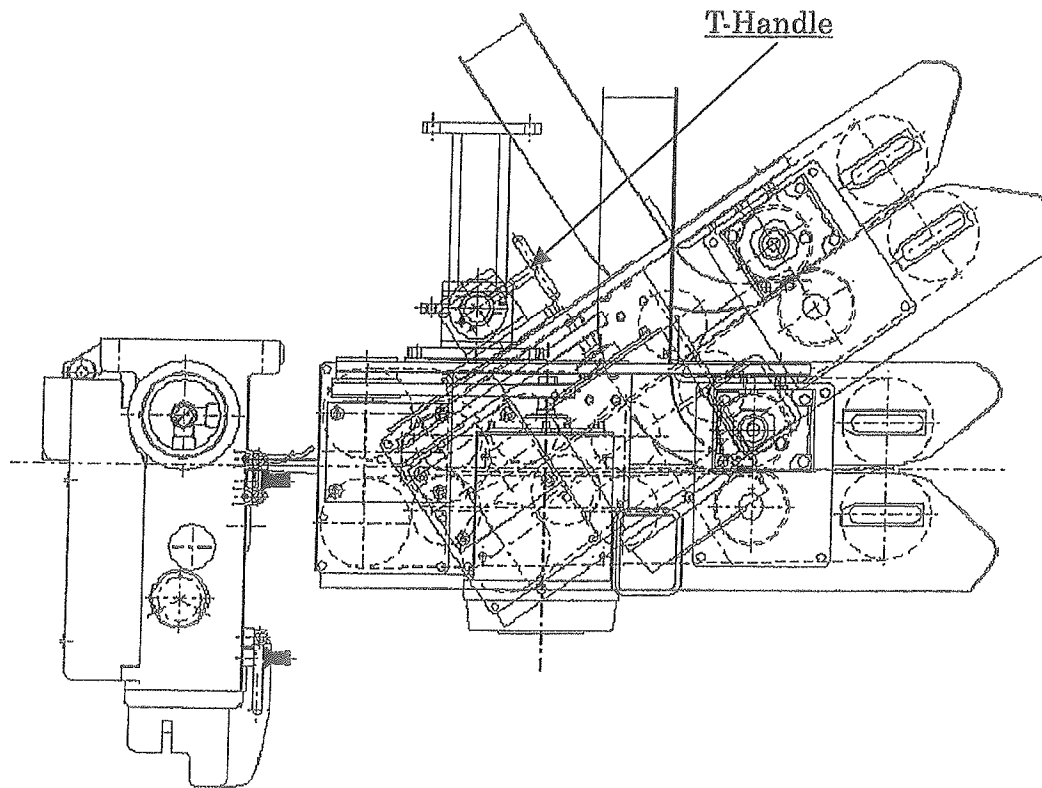
Felt sheet laid flat in the lub oil reservoir keeps the knife uplifted.

The knife should be pulled up to secure enough clearance over the bag top.



4. Maintenance and inspection

- ① Access to the sewing machine in such cases as threading and inspecting the inner mechanism
Loosen the T-handle installed at the back of the power infeed frame to swing the main frame.



LINEAR TRAVEL CHART FOR SEWING MACHINE

RPM AT SEW MACH	FT / MIN AT 2.0 S.P.I.	FT / MIN AT 2.5 S.P.I.	FT / MIN AT 3.0 S.P.I.	FT / MIN AT 3.5 S.P.I.	FT / MIN AT 4.0 S.P.I.
1100	45.8	36.7	30.6	26.2	22.9
1150	47.9	38.3	31.9	27.4	24.0
1200	50.0	40.0	33.3	28.6	25.0
1250	52.1	41.7	34.7	29.8	26.0
1300	54.2	43.3	36.1	31.0	27.1
1350	56.3	45.0	37.5	32.1	28.1
1400	58.3	46.7	38.9	33.3	29.2
1450	60.4	48.3	40.3	34.5	30.2
1500	62.5	50.0	41.7	35.7	31.3
1550	64.6	51.7	43.1	36.9	32.3
1600	66.7	53.3	44.4	38.1	33.3
1650	68.8	55.0	45.8	39.3	34.4
1700	70.8	56.7	47.2	40.5	35.4
1750	72.9	58.3	48.6	41.7	36.5
1800	75.0	60.0	50.0	42.9	37.5
1850	77.1	61.7	51.4	44.0	38.5
1900	79.2	63.3	52.8	45.2	39.6
1950	81.3	65.0	54.2	46.4	40.6
2000	83.3	66.7	55.6	47.6	41.7
2050	85.4	68.3	56.9	48.8	42.7
2100	87.5	70.0	58.3	50.0	43.8
2150	89.6	71.7	59.7	51.2	44.8
2200	91.7	73.3	61.1	52.4	45.8
2250	93.8	75.0	62.5	53.6	46.9
2300	95.8	76.7	63.9	54.8	47.9
2350	97.9	78.3	65.3	56.0	49.0
2400	100.0	80.0	66.7	57.1	50.0
2450	102.1	81.7	68.1	58.3	51.0
2500	104.2	83.3	69.4	59.5	52.1
2550	106.3	85.0	70.8	60.7	53.1
2600	108.3	86.7	72.2	61.9	54.2
2650	110.4	88.3	73.6	63.1	55.2
2700	112.5	90.0	75.0	64.3	56.3
2750	114.6	91.7	76.4	65.5	57.3

MODEL CM4900-3


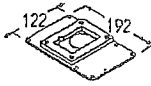
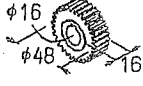
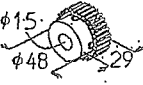

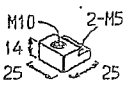

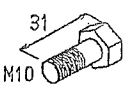
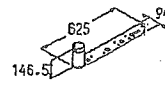
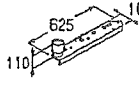
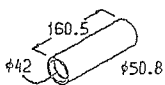
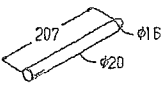
**INFEEED DEVICE
PARTS LIST**

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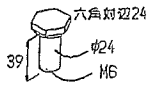



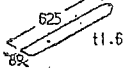
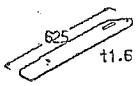
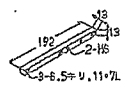
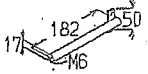
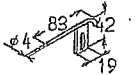
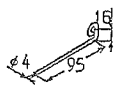
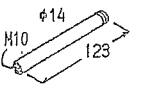
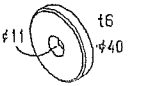
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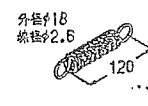
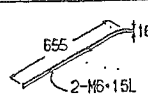
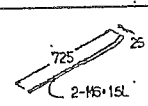
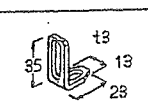
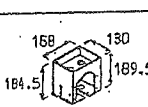
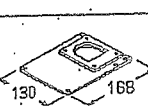
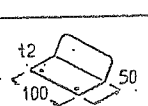
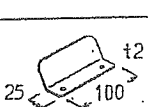
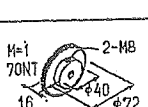
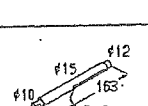
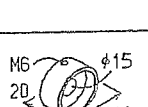
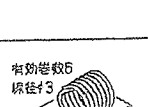
機種名 Machine Designation	個数欄 Quantity	納入先 Customer	作成日 Date	設計者 Designer	注番 Serial No.
	a	standard			
	b				
CM4900-3	c				

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1	CMG49117	ボックス Box		AC1A-F	1		1		
2	CMG49131	フタ Cover		SS400	1		1		
3	CMG49126	ギヤ Gear		歯面高周波 焼入れ S45C(市販)	2		2		
4	CMG49127	ギヤ Gear		歯面高周波 焼入れ S45C(市販)	1		1		
5	CMG49128	ギヤ Gear		歯面高周波 焼入れ S45C(市販)	1		1		
6	GXCM0138	ブラケット Bracket		SGD400-D	1		1		
7	GXZ24-43	ディスタンスカラー Distance Collar		SS400	1		1		
8	GXZ35-11	六角ボルト Bolt		SGD400-D	1		1		
9	CMG4967D	固定ベース Base		SS400 STKM-13A	1		1		
10	CMG4968B	揺動ベース Base		SS400 SPCC	1		1	6005ZZ	
11	GXCM0156	軸受 Shaft Holder		STKM-13A	1		1	6004zz	
12	CMG49129	シャフト Shaft		S45C-D	1		1		

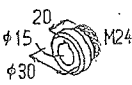

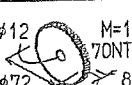
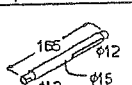
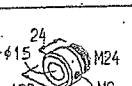
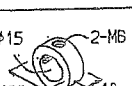
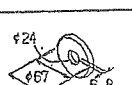
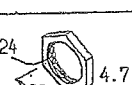
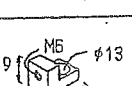
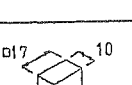
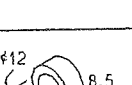
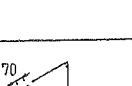
機種名 Machine Designation		個数欄 Quantity	納入先 Customer		作成日 Date	設計者 Designer	注 番 Serial No.		
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		b							
CM4900-3		c							
品番 No.	図 番 Drawing Number	品 名 Article Name	形 状 Shape Size	材 質 Material	個 数 欄 quantity			市 販 品 Purchase	記 事 Remarks
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13	51C20-04	内径基準カラー Collar		STKM13A	1		1		
14	CMG49130	軸 Shaft		SGD400-D9	1		1		
15	GXZ24-37	ディスタンスカラー Distance Collar		SS400	1		1		
16	CMG4929A	軸受 Shaft Holder		SS400	1		1	6811ZZ, 6005ZZ 51105	
17	52C47-51	外径基準カラー Collar		STKM13A	1		1		
18	51C25-26	内径基準カラー Collar		STKM13A	1		1		
19	CMG49124	カラー Collar		SGD400-D	1		1		
20	51C25-05	内径基準カラー Collar		STKM13A	1		1		
21	GXZ20-4	座金 Washer		SGD400-D	2		2		
22	CMG49102D	プーリ Pulley		A5056B	2		2	6002ZZ H32	
23	CMG49102E	プーリ Pulley		A5056B	2		2		
24	CMG49102F	プーリ Pulley		A5056B	4		4	6002ZZ H32	



機種名 Machine Designation		個数欄 Quantity	納入先 Customer		作成日 Date	設計者 Designer	注 番 Serial No.		
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		b							
CM4900-3		c							
順 No.	図 番 Drawing Number	品 名 Article Name	形 状 Shape Size	材 質 Material	個 数 欄 quantity			市 販 品 Purchase	記 事 Remarks
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26	51C15-07	内径基準カラー Collar		STKM13A	6		6		
27	51W20.07	ザガネ Washer		SS400	6		6		
28	CMG4935	ライナ Liner		SGD400-D	4		4		
29	CMG4970B	カバー Cover		SPCC	1		1		
30	CMG4970C	カバー Cover		SPCC	1		1		
31	CMG49106	固定棒 Bar		SGD400-D	1		1		
32	CMG4983	ガイドステー Guide Stay		SS400 SGD400-D	1		1		
33	CMG4991A	ガイド Guide		SS400 SGD400-D	1		1		
34	CMG49114	ガイド Guide		SUS304	1		1		
35	GXZ86-9	フックステー Hook Stay		SGD400-D	1		1		
36	51W40.11	ザガネ Washer		SS400	1		1		

機種名 Machine Designation		個数欄 Quantity	納入先 Customer		作成日 Date	設計者 Designer	注 番 Serial No.		
		a	standard						
		b							
CM4900-3		c							
No.	図 番 Drawing Number	品 名 Article Name	形 状 Shape Size	材 質 Material	個数欄 quantity			市販品 Purchase	記 事 Remarks
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38	GXZ87-20	ガイド Guide		市販ボルト SS400 SGD400-D	1		1		
39	GXZ87-21	ガイド Guide		市販ボルト SGD400-D	1		1		
40	CMG4939A	ブラケット Bracket		SS400	4		4		
41	CMG4985	スリットフレーム Frame		SS400	1		1		
42	CMG4988A	減速機ベース Reducer Base		SGD400-D	1		1	TM10E10A	
43	CMG49110	カバー Cover		SPCC	1		1		
44	CMG49111	カバー Cover		SPCC	1		1		
45	CMG4996B	ギヤ Gear	M=1 70NT 16 	(S45C)	1		1		
46	CMG4995	軸 Shaft		SGD400-D9	1		1		
47	CM49103	スプリング押エ Spring Holder	M6 20 	SGD400-D	1		1		
48	CM49102	スプリング Spring	有効巻数6 線径φ3 	SWPA	1		1		

機種名 Machine Designation	個数欄 Quantity	納入先 Customer	作成日 Date	設計者 Designer	注 番 Serial No.
	a	standard			
	b				
CM4900-3	c				

類 No.	図 番 Drawing Number	品 名 Article Name	形 状 Shape Size	材 質 Material	個数欄 quantity			市販品 Purchase	記 事 Remarks
					a	b	c		
49	GXZ26-02	セットカラー Set Collar		SGD400-D	1		1		
50	GXZ133-2	カップリング Coupling		アルミ合金 (市販)	1		1		
51	CMG4997C	ギヤ Gear		(S45C)市販	1		1		
52	CMG4994C	軸 Shaft		SGD400-D9	1		1		
53	GXZ26-01	セットカラー Set Collar		SGD400-D	1		1		
54	GXZ27-7	セットカラー Set Collar		SS400	2		2		
55	CMG4999	カッタ Cutter		SKH9	2		2		
56	CM49101	ナット Nut		SGD400-D	2		2		
57	CMG4960	給油ボックス Box		SGD400-D	1		1		
58	CMG4961	フェルト Felt		フェルト	1		1		
59	51C12-08.5	内径基準カラー Collar		STKM13A	1		1		
60	CMG4987	スリットガイド Guide		SPCC SS400	1		1		

Machine Designation		Quantity	Customer							
		a	standard							
		b.								
CM4900-3		c								
No.	図番 Drawing Number	品名 Article Name	形状 Shape Size		材質 Material	個数欄 quantity			市販品 Purchase	記事 Remarks
						a	b	c		
61	CMG49151	タレ防止ブラケット Bracket			SS400	1		1		
62	CMG49152A	ピン Pin			SGb400-D	1		1	S8 L100-B-30-608ZZ	
63	CMG4993K	ブラケット Bracket			SS400	1		1		
64	CMG4982	ガイド Guide			SGP	4		6		
65	CMG4976	バインダーブラケット Binder Bracket			SS400	1		1		
66	CMG4984	ブラケット Bracket			SS400	1		1		
67	8W10	締付ケ当金 Plate			C2801P	1		1		
68	CM360-1182	握リハンドル Handle			SGD400-D	1		1		
69	CBG8004	ブラケット Bracket			SS400 STKM-13A	1		1		A1-PB時 1ヶ
70	GXZ95-18	モータープーリー B Motor Pulley-b			SS400	1		1		
71	GXZ52-15	Vプーリー V-pully			FC200	1		1		
72	GXZ54-27	Vプーリー V-pully			FC200 (デン スパー)	1		1		



NEWLONG INDUSTRIAL CO., LTD.

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ADDRESS
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CM4.900-3
199-90720

機種名 Machine Designation		個数欄 Quantity	納入先 Customer		Date	Designer	Serial No.		
		a	standard						
		b							
CM4900-3		c							
No.	図番 Drawing Number	品名 Article Name	形状 Shape Size	材質 Material	個数欄 quantity			市販品 Purchase	記事 Remarks
					a	b	c		
73	CMG4992C	テンションブラケット Tension Bracket		SS400			1	TPBGS-45	BALDOR MOTOR CMG4992 (代)
74	CMG4993G	ブラケット Bracket		SS400			1		BALDOR MOTOR CMG4993 (代)
75	CMG49105E	カバー Cover		SS400 SPCC			1		BALDOR MOTOR CMG49105B (代)
76	CMG49156B	モーターベース Motor Base		SS400			1	1/2H. P. TEFC	BALDOR MOTOR
77	GXZ95-26	モータープーリ A Motor Pulley-a		SGD400-D			1	1/2H. P. TEFC	BALDOR MOTOR GXZ95-17 (代)
78	CMG4986-63.5	バインダー Binder		SUS304			1		CMG4986 (代)

Machine Designation		a	b	c	Quantity			KA
番号 No.	品名 Article Name	型番 Cord Number	型式 Type of Parts	メーカー Maker	Quantity			記 Remarks
					a	b	c	
A1	Motor モーター	1E	1/2HP	(BALDOR)			1	NLA支給
A2	Reducer ウォーム減速機		TM13E30B	(TSUBAKI)			1	
A3	Reducer ウォーム減速機		TM10E10A	(TSUBAKI)			1	
A4	Rope ポリバンロープ		470LX4	(BANDOH)			2	
A5	V-belt Vベルト	2V	M-22" L				1	
A6	V-belt Vベルト	2V	M-39" L				1	
A7	Ball Bearing ボールベアリング	1A	6002ZZ				12	
A8	Ball Bearing ボールベアリング	1A	6004ZZ				2	
A9	Ball Bearing ボールベアリング	1A	6005ZZ				3	
A10	Ball Bearing ボールベアリング	1A	6200ZZ				1	
A11	Ball Bearing ボールベアリング	1A	6201ZZ				1	
A12	Ball Bearing ボールベアリング	1A	6811ZZ				1	
A13	Ball Bearing ボールベアリング	1A	6002ZZNR				2	
A14	Ball Bearing ボールベアリング	1A	6201ZZNR				1	
A15	Thrust Bearing スラストベアリング	4A	51105				2	
A16	Stopper Ring 穴用止メ輪	2R	H30				2	
A17	Stopper Ring 穴用止メ輪	2R	H32				12	
A18	Stopper Ring 輪用止メ輪	1R	S8				1	
A19	Stopper Ring 輪用止メ輪	1R	S20				2	
A20	Toler 軸付フランジアイドラ		NBK	TPBGS-45 (NBK)			1	

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