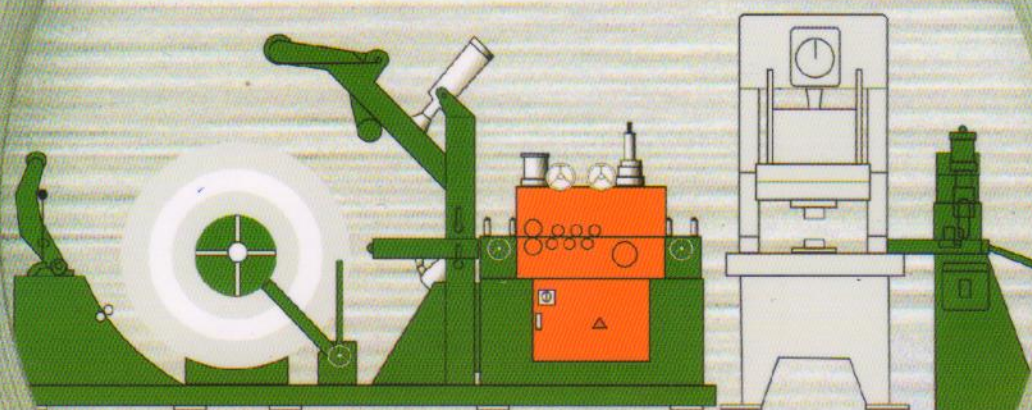
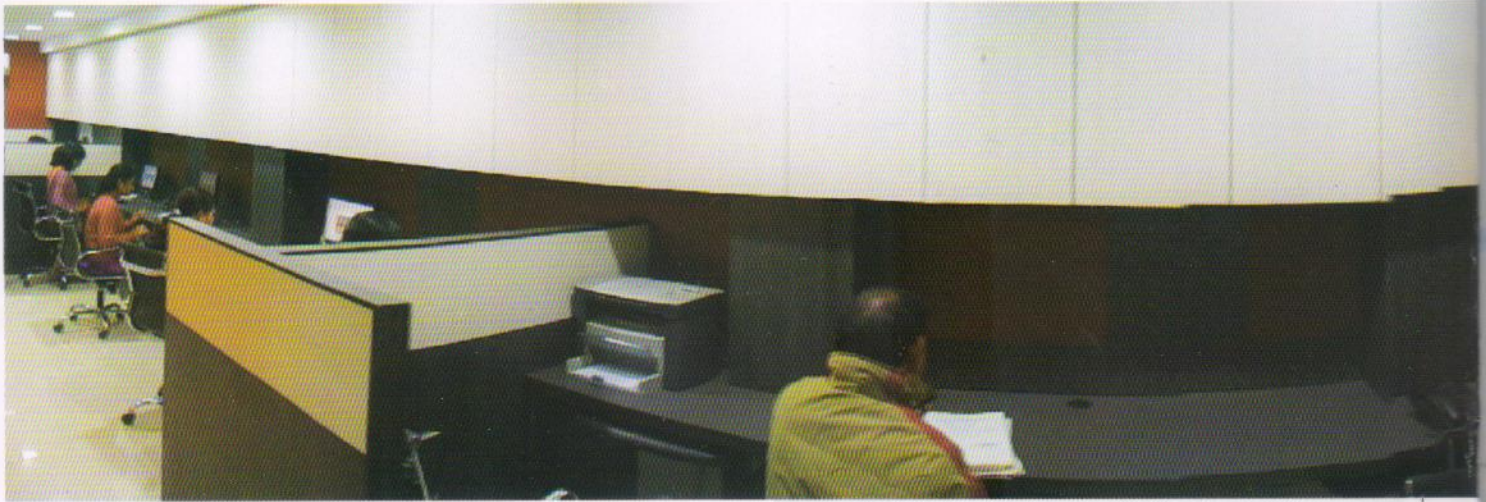


SUKUTM

Coil handling and feed equipment





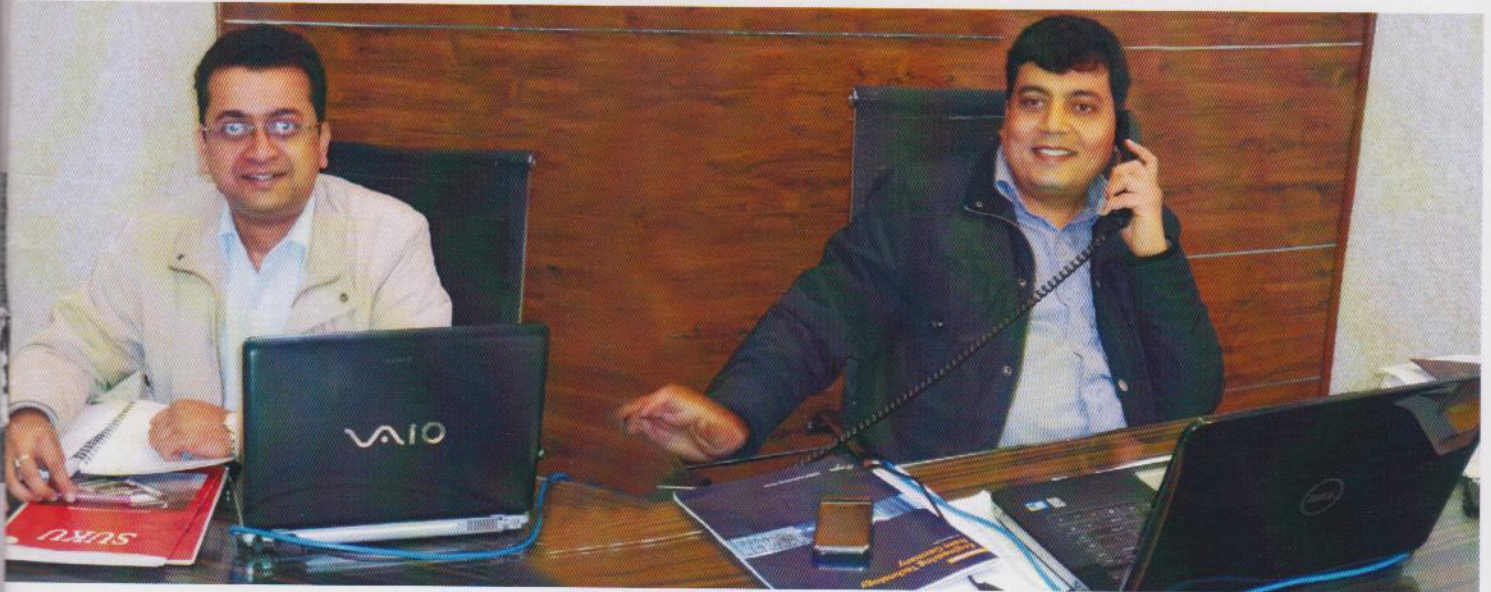
Company | Profile

A Company based on sound economic, technical / -scientific and organisational principles and which is in a position to have a say in future developments is a match for the challenges presented by the market and competition.

Suku is an independent company which is characterised by a high level of efficiency and which is always well equipped to meet all eventualities. A company which is always on the lookout for the latest developments in technology on the market. A company which has a say in determining trends and technologies in the field of power press automation.

Suku applies special standards to its product range and to advice before and after sales. Suku sales staff are specialists. They sell products which are of benefit and nothing less. They form a team of sales engineers with up-to-date knowledge and they are always ready to deal with customer's problems. They offer specialized, problem-oriented advice. Of course, at Suku, advice is not every thing and sales are not just a secondary matter. But we know what we owe to our customers. In other words, advice and sales form a single unit for the benefit of the customer.



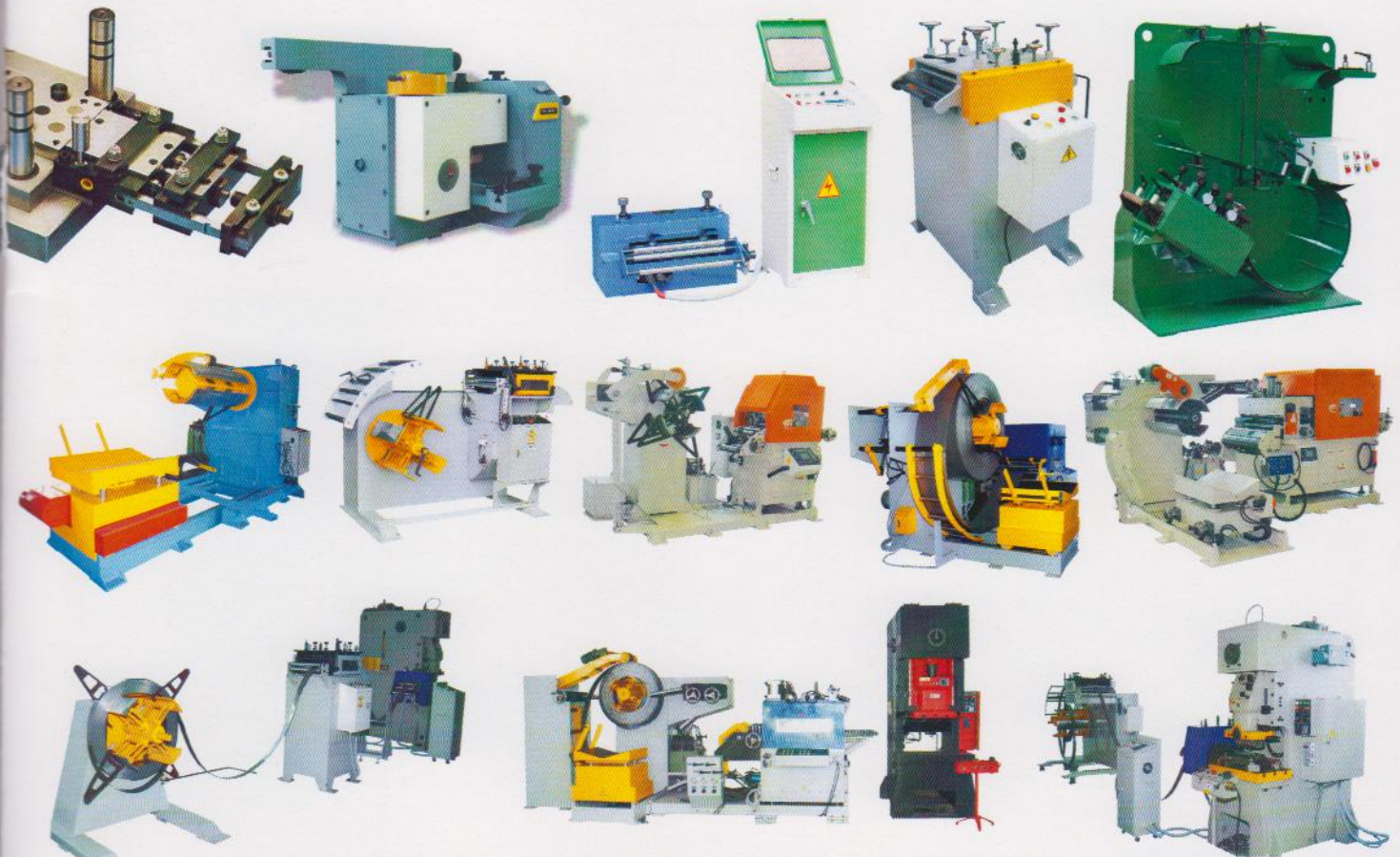


About | Promoters

Vishal Seth heads the company's Marketing function. His responsibilities include overseeing the company's international operations as well. He has also played a key role in expanding and consolidating the Regional Sales & Service network countrywide, notably in important cities like Ludhiana, Pune, Vadodara, Mumbai, Coimbatore, Bangalore, Hyderabad, and more.

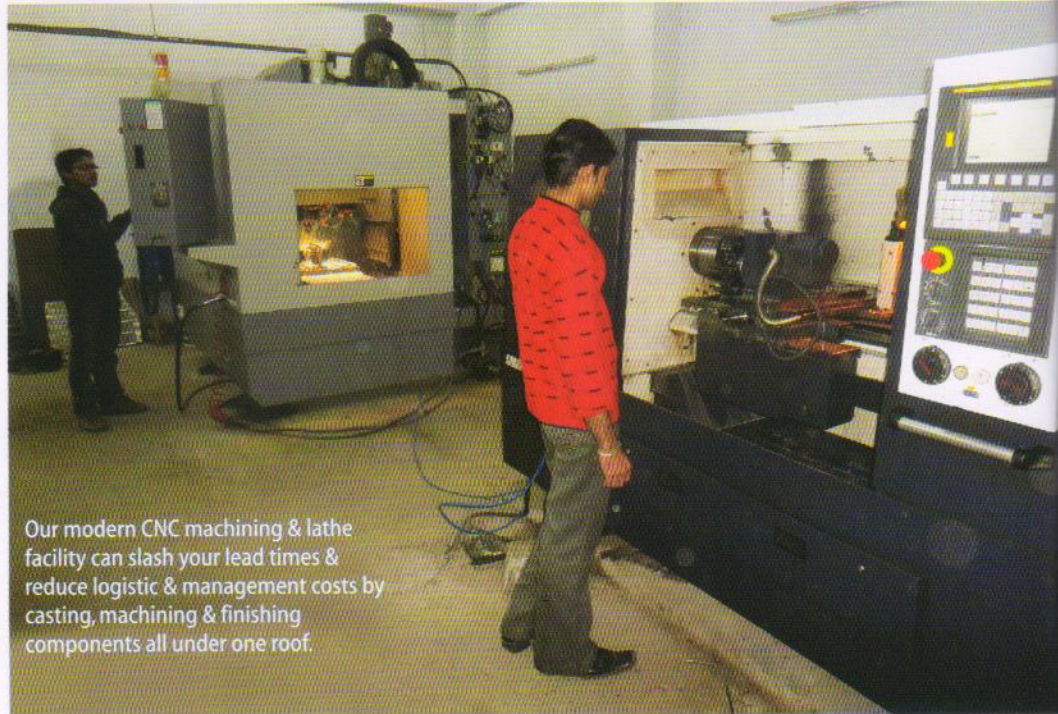
Vivek Mishra, who heads the key R&D operations, has been the driving force behind the company's numerous technological innovations and breakthroughs. He has helped actualize many improvements in diverse areas of production. Thanks to his continuing initiatives, the company promises true Zero Tolerance and customized products to its valued clients.

Products | Gallery

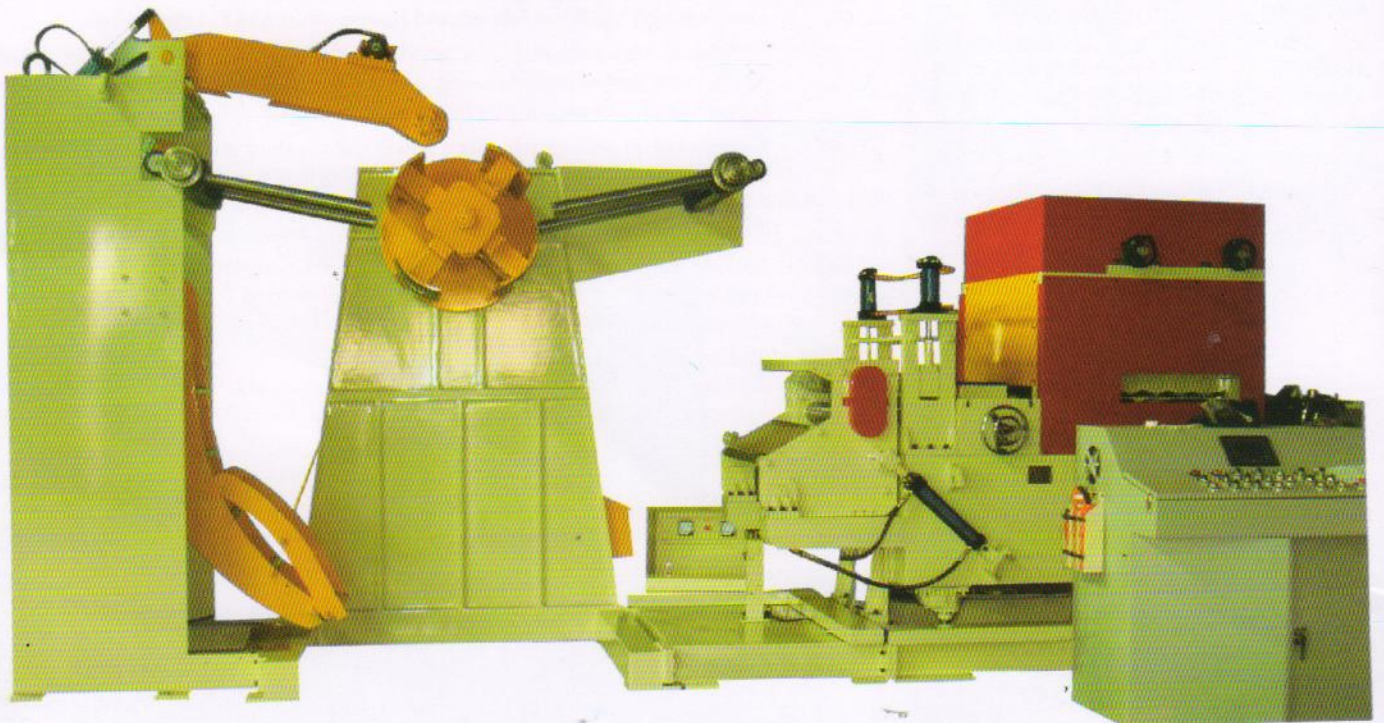




Manufacturing | Facility



Our modern CNC machining & lathe facility can slash your lead times & reduce logistic & management costs by casting, machining & finishing components all under one roof.

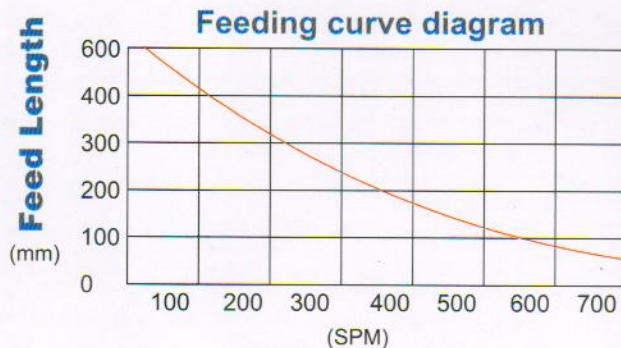
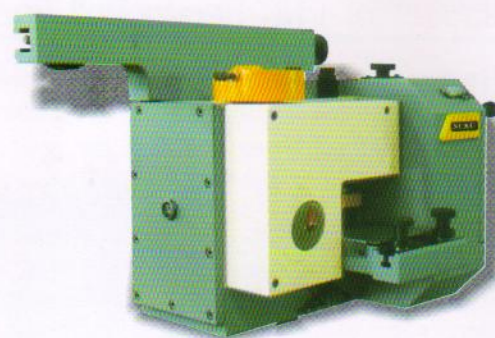


New
GCF Series
HIGH SPEED GEAR CHANGE FEEDER
• PRECISE • HIGH SPEED • RELIABLE

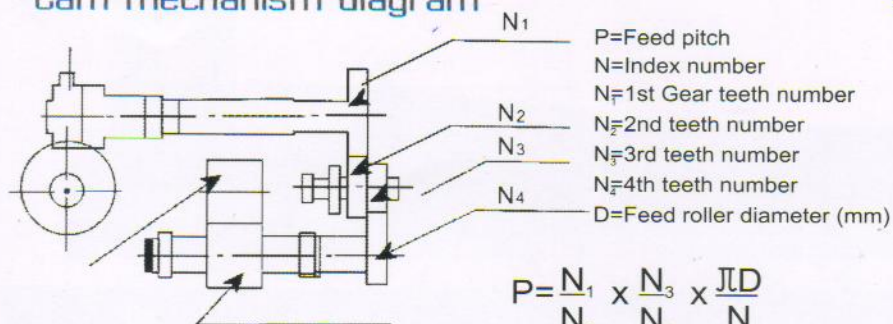


Features

- Apply cam mechanism
- High speed and high precision feeding, speed up to 40M/min.
- Reliable and stable feeding
- One year quality guarantee

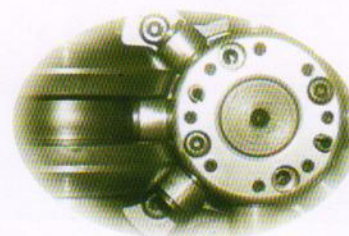


Cam mechanism diagram



Option Function

- Cam options is 3, 4, 8, 12 division feeding length is chosen according to the cam division and gear ration, this system is suitable multitudinous production

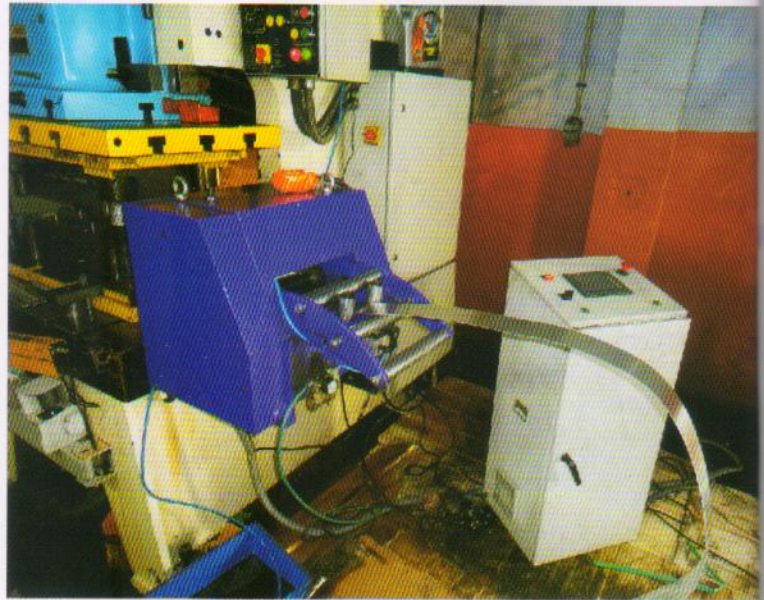


Specifications

Model	GCF-120	GCF-200	GCF-250	GCF-300	GCF-400
Stock Width (mm)	120	200	250	300	400
Stock Thickness (mm)	0.3~2.0				
Cam Division	3 / 4 / 8 / 12				
Feeding Length (mm)	1.15~600				
Feeding Angle	180				
Release Angle	135~195				
Feeding Direction	Left to Right				

Features of | NC Servo Roll Feeder

- High-precision feeding: Aiming at the arrival of hi-tech industry, it is controlled by computer closed-circuit feedback system, so that the precision can maintain within $\pm 0.03\text{mm}$.
- Phase-style feeding function: it can input 05 groups of different feeding length, each group provides punching for 999 times to satisfy the processing and production of special products (option).
- Manual model: it can input 3 phases manual speed, which can let used operate more easily and feed materials more accurately. High - efficiency release device: it can set up release angle quickly, by cam signal.
- Feeding length setting : input feed length on the controller panel directly.'
- Feeding unit : The roll adopts middle-hollow style, being light low inertia. The surface hardness is HRC 60 and hard chrome plated.
- Both pneumatic and mechanical pilot release options available.



NC Servo Roll Feeder installed on Press



Machine | Main Specifications

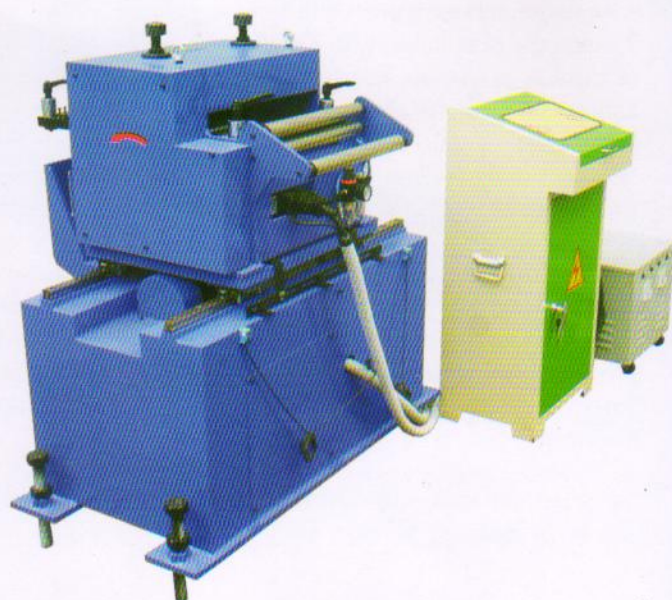
Model		NCF-100 NCF-100A	NCF-200 NCF-200A	NCF-300 NCF-300A	NCF-400 NCF-400A	NCF-500 NCF-500A	NCF-600 NCF-600A	NCF-700 NCF-700A	NCF-800 NCF-800A	NCF-1000 NCF-1000A	NCF-1300 NCF-1300A	NCF-1600 NCF-1600A
Material Width(mm)		100	200	300	400	500	600	700	800	1000	1300	1600
Material Thickness		0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2	0.2-3.2
STANDARD TYPE Material Thickness and width	0.2-1.0	100	200	300	400	500	600	700	800	1000	1300	1600
	2.0	90	180	280	300	350	400	450	480	550	650	700
	3.2	40	80	100	120	150	180	210	240	280	320	360
Material Thickness		0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5
A- TYPE Material Thickness and width	0.3-2.2	100	200	300	400	500	600	700	800	1000	1300	1600
	3.2	80	160	240	320	400	460	520	560	580	600	650
	4.5	50	120	150	220	250	280	300	320	350	360	380
Feed Length (mm)		9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99
Feed Speed (m/min)		20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30
Servo Motor (kw)		AC0.4 AC1.3	AC0.75 AC1.8	AC0.85 AC1.8	AC1.3 AC2.9	AC1.3 AC2.9	AC1.8 AC2.9	AC1.8 AC2.9	AC2.9 AC4.4	AC4.4 AC.5.5	AC.5.5 AC.7.5	AC.7.5 AC.11
Power Supply		415V	415V	415V	415V	415V	415V	415V	415V	415V	415V	415V
Pass Line (mm)		70-170	70-170	70-170	70-170	70-170	70-170	90-190	90-190	90-190	90-190	90-190

* Design Subject to Change for improvement

Features of | Zig Zag NC Servo Roll Feeder

High precision feeding stroke has high precision dimension. The Error of feeding can be controlled within 0.03mm, to meet increasing requirement of processing.

Multi-stage feeding function: You can enter 05 different sets of feeding stroke, each of them could provide 100 times pressing strokes at most by computerized. Compared with common feeding, alternate feeding has the advantages of saving costs and setting strokes flexibly, and is applicable to a variety of arrangement. Flexibility to set feeding stroke: Feed stroke setting without adjusting any mechanical body, only enter the length dimension on the touch-display control panel. Feeding roller: Surface with hardness HRC60, hard chrome plated or sand blast for non-slip, high wear resistance, can hold on machine life, improve quality and production efficiency, reduce costs. The adoption of high rigidity linear slide guide and precision ball screw can improve stability.



Machine Main | Specifications

Model		NCZAF-200 NCZRF-400	NCZAF-400 NCZRF-800	NCZAF-500 NCZRF-1000	NCZAF-600 NCZRF-1200	NCZAF-800 NCZRF-1600	NCZAF-1000 NCZRF-2000	NCZAF-1300 NCZRF-2600	NCZAF-1500 NCZRF-3000
Material width (mm)(Max)		200	400	500	600	800	1000	1300	1500
Material Thickness (mm)(Max)	NCZAF	1.5×200 3.2×100	1.5×400 3.2×200	1.5×500 3.2×250	1.5×600 3.2×300	1.5×800 3.2×400	1.5×1000 3.2×500	1.5×1300 3.2×650	1.5×1500 3.2×750
	NCZRF	2.0×200 3.2×100	2.0×400 3.2×200	2.0×500 3.2×300	2.0×600 3.2×400	2.0×800 3.2×500	2.0×1000 3.2×600	2.0×1300 3.2×800	2.0×1500 3.2×900
Offset width (mm)(Max)		NCZAF 200	400	500	600	800	1000	1300	1500
Feed Length (mm)(Max)	NCZRF	200	400	500	600	800	800	800	800
		9999.99							
Feed Speed (mm)(Max)	NCZAF	15							
	NCZRF	30							
Power Supply		415V 3phase							
Release Equipment		Pneumatic							

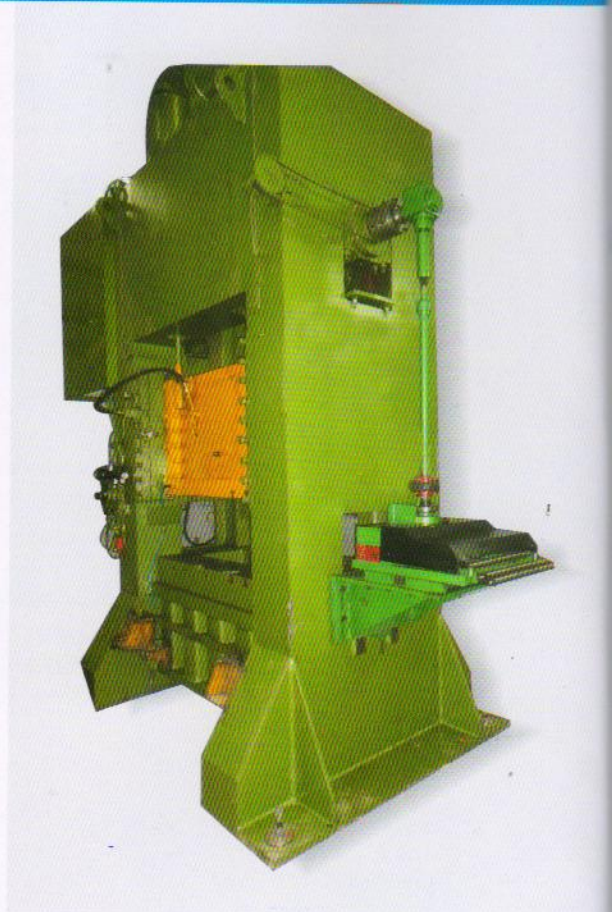
Salient | Features

- Accurate and easy pitch adjustment.
- Accuracy to the tune of ± 25 microns, obtainable with piloting.
- The Grippers are made out of carbide to give long life service.
- All rotating parts are fitted with antifriction bearings to give long life and reduced maintenance.
- High speed of upto 650 strokes per minute.
- Roller Cam for Pilot release setting, which gives great precision in adjustment of the fixed gripper.
- Micrometer pitch setting arrangement provided.
- Silent in operation - no air required.
- Trouble free in operation.
- Mechanically synchronized with the press thus avoiding feeding mismatch at high speeds.
- Drive from press crankshaft to the Feeder is fitted with an overload safety coupling.
- Hardened gears provided in the right angle gear box for long life.
- Stock buckling guides for thin material.
- Easy setting for strip thickness.

Accessories

Standard transmission including one 90° gear box, one connecting shaft (length must be adopted to the press dimensions) and one rubber coupling. (SUKU/11).

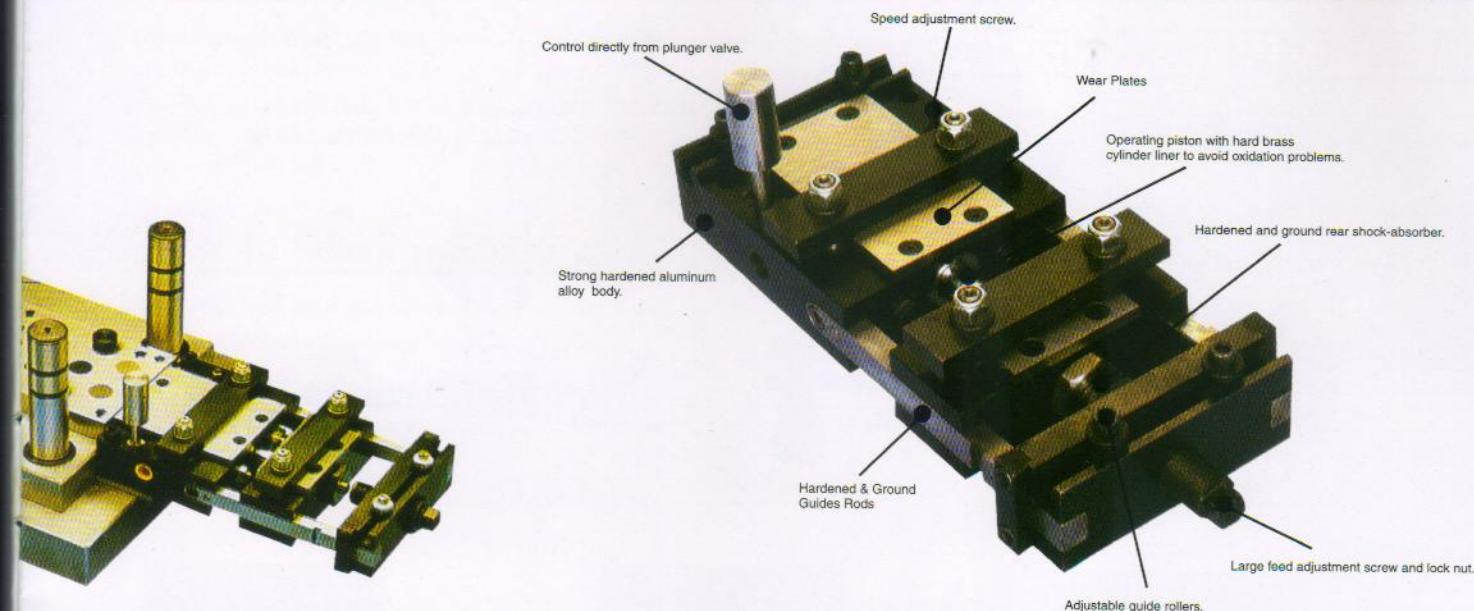
Transmission for speed over than 400 strokes/min including one 90° gear box and its support, one connecting shaft (length must be adopted to the press Dimensions), one flexible coupling and one angle setting coupling. Cascade roll basket to hold the strip on the entry side. Mounting bracket to be fixed to the press.



Machine | Main Specifications

Type Model	Width mm	Stroke Length mm	Thickness mm	Speed max stroke/min
SUKU 5A	10-130	5-130	0.1-2.5	650
SUKA 8A	15-205	5-200	0.1-2.5	500
SUKU 12A	32-310	10-310	0.2-3.0	400
SUKU 16A	32-410	10-400	0.2-3.0	300

* Design Subject to Change for improvement



Here are some very basic reasons with which it can be proved that buying a **SUKU Pneumatic Feeder** is the right thinking to do. Installing a feeder on your press does not just mean choosing a pneumatic clamp for feeding the material. You need to choose carefully the right feeder to develop better productivity.

Precision Accuracy to the tune of 20 microns or even better, depending on the type of tooling.

Right to Choose Right Feeder for every needs. Light series for thin materials at fast speed, Medium & heavy series for thicker material; Alfa, Beta, Gamma & Theta with double & triple pulling cylinder and many series to follow soon.

Compact, Rigid and Strong Structures which has negligible wear characteristics.

Interchangeability from one die to the other because of its simple installation with only two mounting screws.

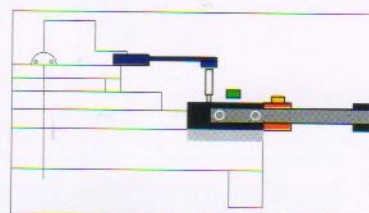
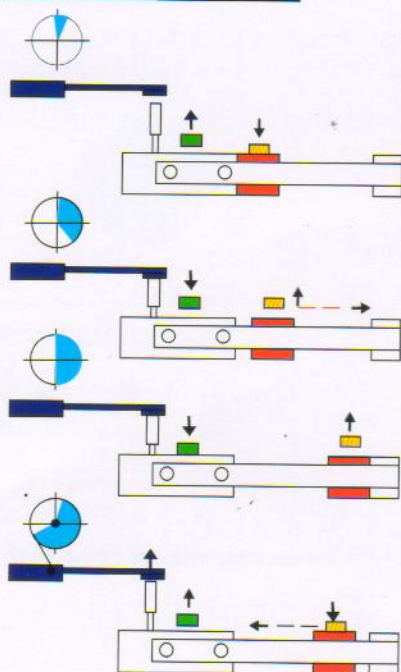
Durable in Indian working conditions because of Extremely hard Aluminum alloy feed body there is no oxidation due to wet air remaining inside the feeder.

Quiet during operation.

Low air Consumption makes it more economical because it saves electricity.

Last but not the least, it is inexpensive compared with any other option.

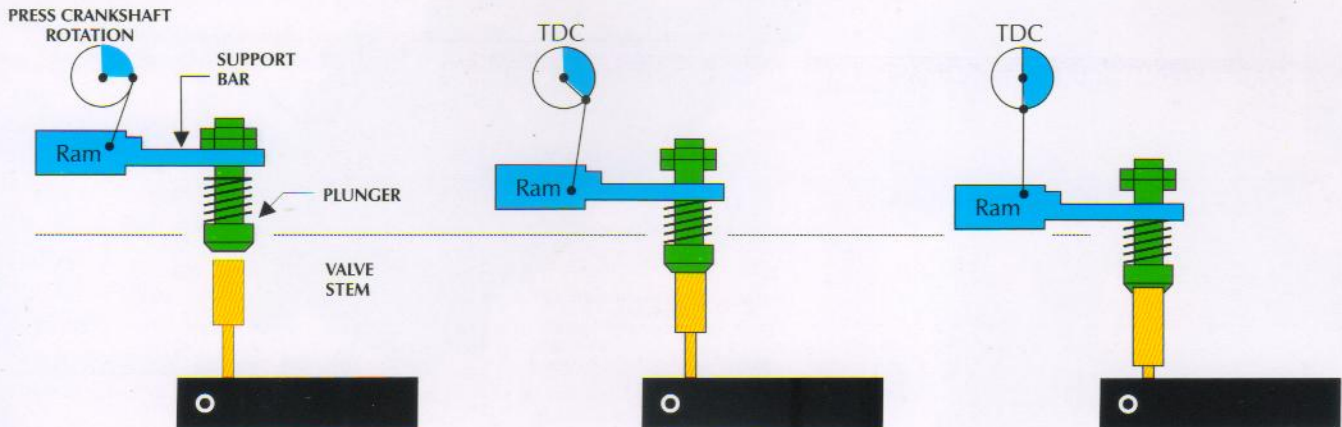
Air Feed | Sequence



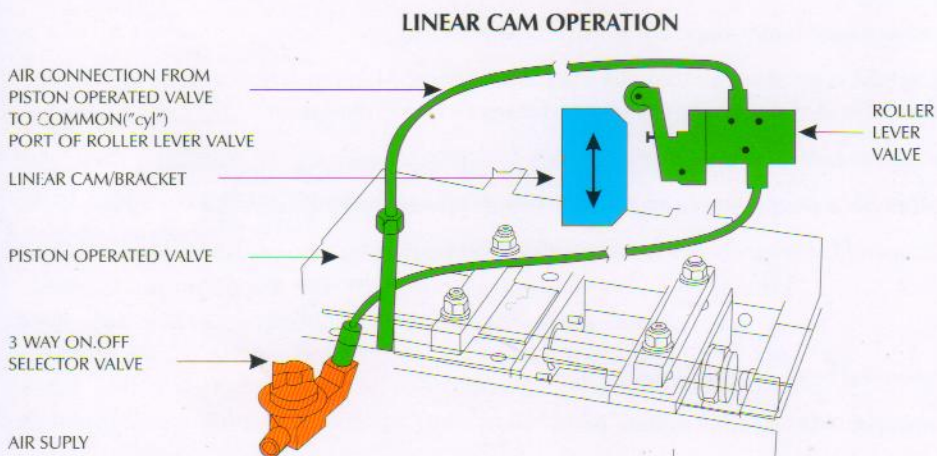
Press Stroke (mm)	Clearance between plunger	
	Medium	Heavy
0-6	0-5	-
7-10	1-3	1-3
11-15	1-3	1-3
16-20	1-3	1-3
21-25	1-3	1-3
26-30	1-3	1-3
31-38	1-3	1-3
39-50	11-14	1-3
51-60	21-24	8-11
61-70	31-34	18-21
71-80	41-44	28-31
81-90	51-54	38-41
91-100	61-64	48-51

Methods of Controlling | The Feed

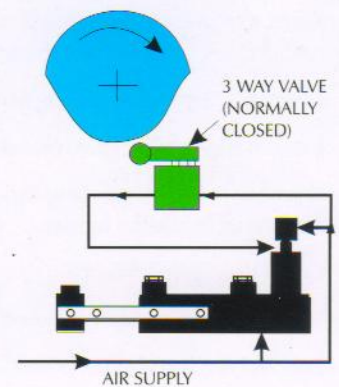
1. MECHANICAL PLUNGER ACTUATION



2. ACTUATION WITH CAM AND ROLLER LEVER VALVE

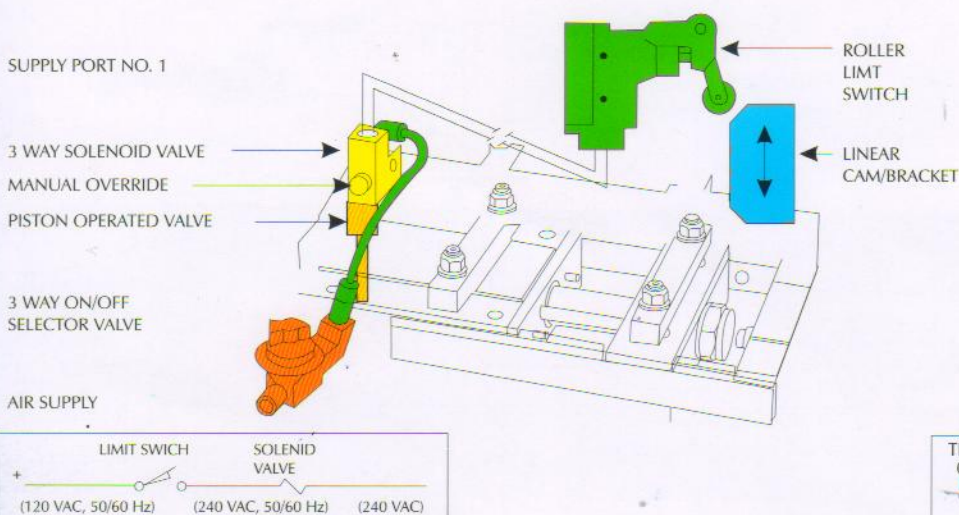


ROTARY CAM OPERATION

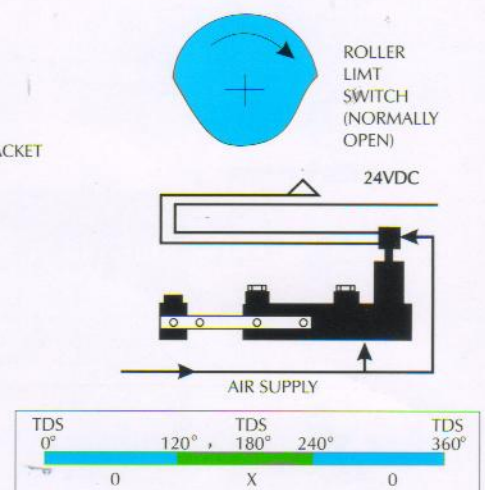


3. REMOTE ELECTRIC ACTUATION

LINEAR CAM OPERATION



ROTARY CAM OPERATION



The medium duty feeders work at the air pressure of 5kg/cm and are suitable for maximum material thickness of 1mm (in case of materials like brass, copper etc.) and are suitable for maximum thickness upto 2mm in case of aluminium and paper.

How | To Select a Feeder?

Max. width of your strip in coil formmm

Max. stroke length of your feedingmm

Max. Min thickness of your stripmm

Max. Strokes per minute of press

Custom made Feeders of special sizes can be made as per customer's specifications.

Coil | Set Eliminator

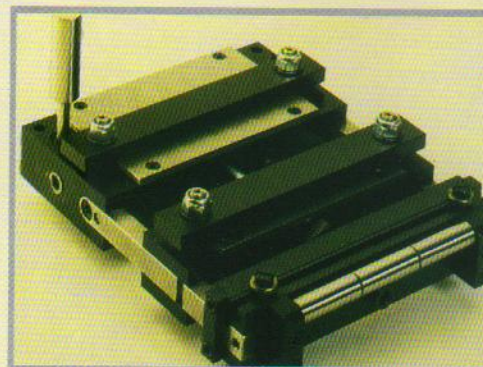
The coil set eliminator uses a unique method of removing the natural curve from coiled materials. Steel mills use the same principle of bending the material beyond its yield point to remove the set. This is different from conventional stock straighteners. These inexpensive units can be mounted on the back of any type of press feed and require very little pulling power. Specify material width and thickness with order.

Note: This unit is not recommended for material thickness greater than 0.7mm

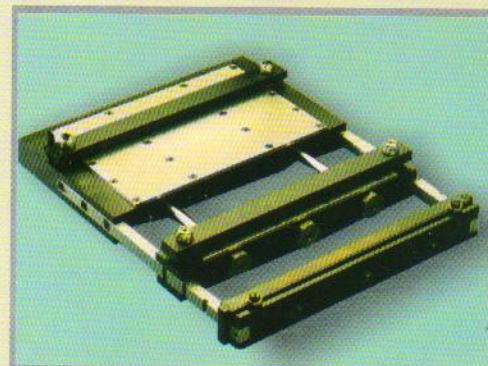
Medium | Duty Series

Type	Strip width max .mm.	Stroke max .mm.	Strip Thickness max .mm.	Max* Stroke/Min
VV 01	52	52	2.0	240
VV 02	52	102	1.9	170
VV 03	52	152	1.8	140
VV 04	52	202	1.7	110
VV 05	52	252	1.6	90
VV 21	102	52	2.10	240
VV 22	102	102	1.90	170
VV 23	102	152	1.80	40
VV 24	102	202	1.70	110
VV 25	102	252	1.60	90
VV 26	152	52	1.70	230
VV 27	152	102	1.50	160
VV 28	152	152	1.30	130
VV 29	152	202	1.10	100
VV 30	102	252	1.10	80

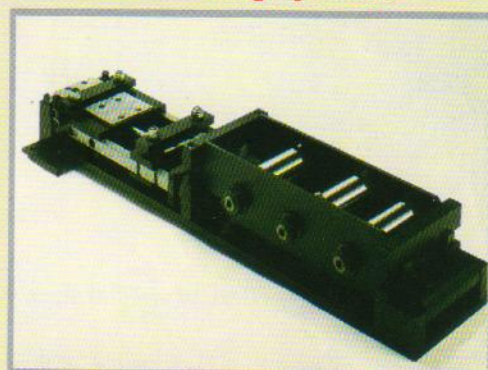
*Max stroke per minute are calculated with no material on the feeder at 5 Kg cm



Medium Duty Series



Medium Duty With Two Pulling Cylinders

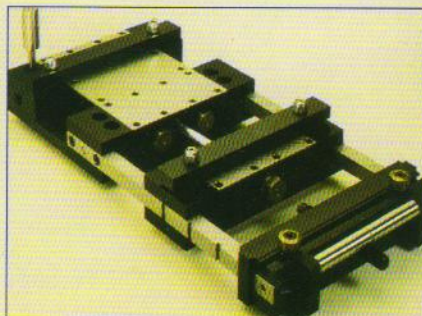


Medium Duty Series Feeders with Incorporated Coil Set Eliminator

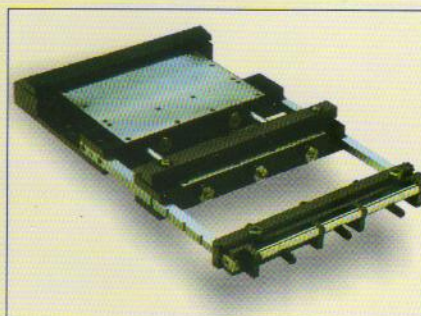
Medium Duty | With Two Pulling Cylinders

Type	Strip width max .mm.	Stroke max .mm.	Strip Thickness max .mm.	Max* Stroke/Min
VV 40	157	52	1.50	250
VV 41	157	102	1.30	180
VV 42	157	152	1.10	150
VV 43	207	202	1.00	140
VV 44	207	252	1.00	100
VV 45	207	52	1.10	230
VV 46	207	102	0.90	160
VV 47	307	152	0.70	130
VV 48	307	202	0.50	110
VV 49	307	252	0.50	90

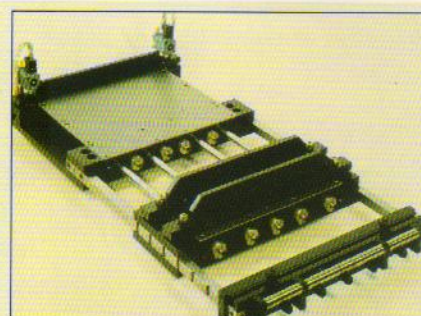
If the material thickness is more than 1mm, we recommend Heavy Duty feeders which runs at 6.5 kg/cm² pressure.



Heavy Duty Series



**Heavy Duty
With Two Pulling Cylinders**



**Extra Heavy Duty with
Four Pulling Cylinders**

Diagram for stroke/min.

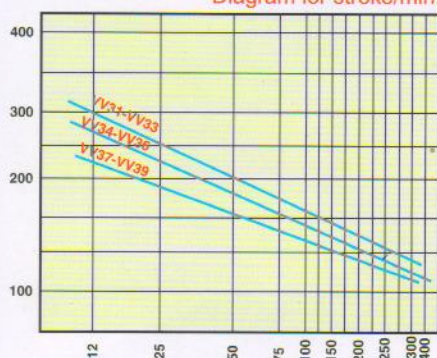


Diagram for stroke/min.

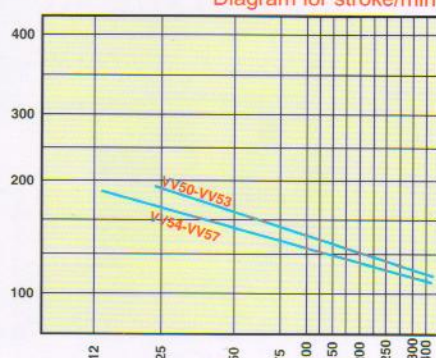
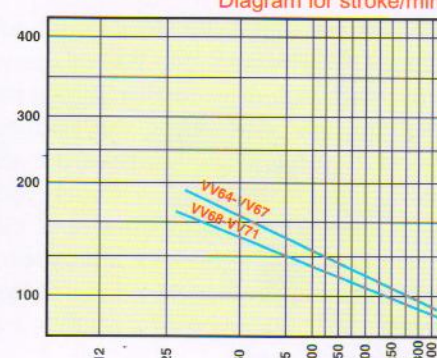


Diagram for stroke/min.



Custom made Feeders of special sizes can be made as per customer's specifications.

Heavy Duty Series

Type	Strip width max .mm.	Stroke max .mm.	Strip Thickness max .mm.	Max* Stroke/Min
VV 31	157	102	3.90	140
VV 32	157	202	3.60	120
VV 33	157	302	3.10	70
VV 34	207	102	3.10	130
VV 35	207	202	3.10	110
VV 36	207	302	3.10	70
VV 37	307	102	3.10	120
VV 38	307	202	3.10	95
VV 39	307	302	2.60	60

**Heavy Duty
With Two Pulling Cylinders**

Type	Strip width max .mm.	Stroke max .mm.	Strip Thickness max .mm.	Max* Stroke/Min
VV 50	462	102	3.00	120
VV 51	462	202	2.50	100
VV 52	462	302	2.00	80
VV 53	462	402	1.80	60
VV 54	612	102	2.50	110
VV 55	612	202	2.00	95
VV 56	612	302	1.80	75
VV 57	612	402	1.50	55

**Extra Heavy Duty with
Four Pulling Cylinders**

Type	Strip width max .mm.	Stroke max .mm.	Strip Thickness max .mm.	Max* Stroke/Min
VV 64	462	102	3.6	110
VV 65	462	202	3.2	85
VV 66	462	302	2.6	65
VV 67	462	402	2.2	40
VV 68	612	102	3.2	105
VV 69	612	202	2.6	80
VV 70	612	302	2.2	60
VV 71	612	402	1.8	35

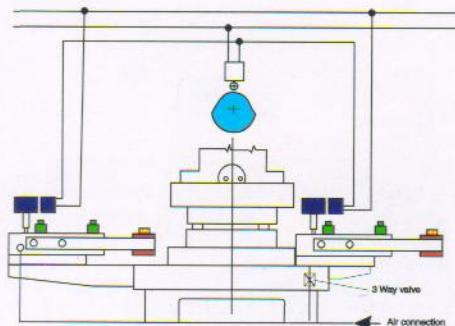
*Max stroke per minute are calculated with no material on the feeder at 6 Kg cm

Push | Pull Feeders

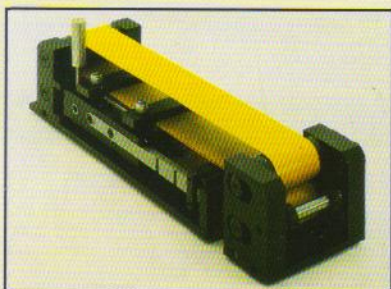
Many applications need to feed non-coil materials (bars, strip lengths, profiles). In this case it is necessary to use two feeders with synchronized movement.

The first one, before the die or the machine, pushes the material into the die the second one, after the die or the machine, pulls the material out of the die.

They both work in synchronisation, being actuated by a common cam. It is also possible, by a connection between the 2 mobile clamps, to achieve a mechanical synchronisation. When the first feeder finishes feeding the material into the die and the second one takes control of the feed, it is possible to release air from the first feeder and enable new material to be inserted. This allows operation of the press on continuous cycling.

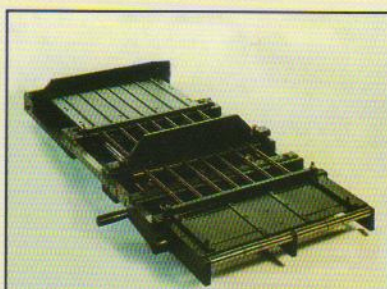


Band feeder for cloth feeding



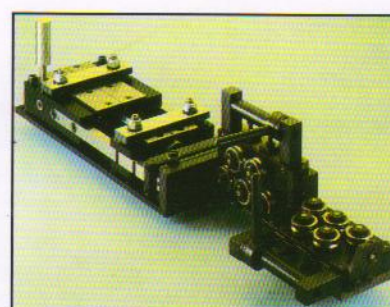
To help feeding delicate strips it is possible to equip the feeder with two endless belts, that are fed by the clamps of the feeder, the strip is sandwiched between the two belts and therefore never touched by the clamps.

Thin strips guides for delicate strips

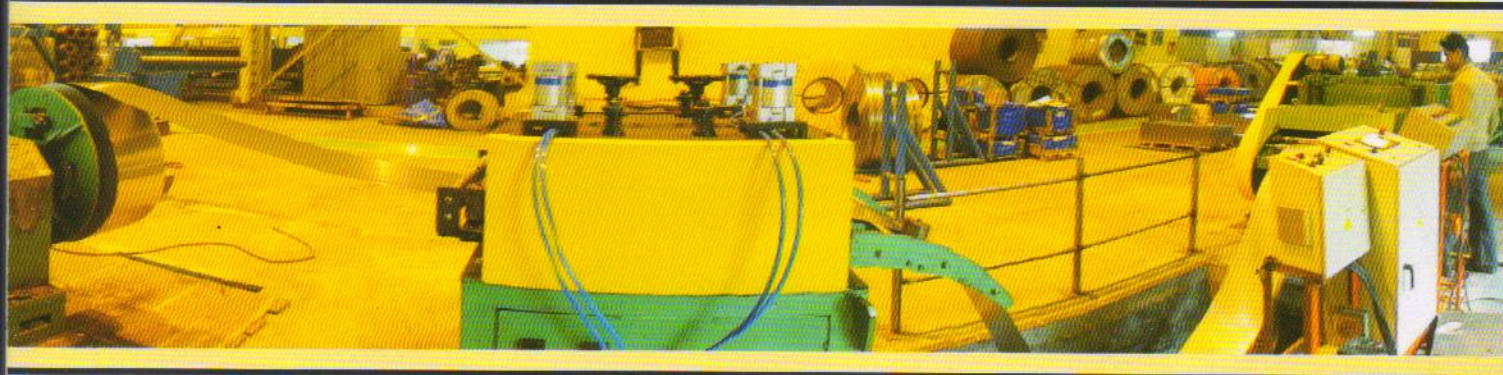


This is suitable for foils of thickness up to 10 microns. The strip is guided by means of top and bottom rod. It is possible to push all types of material (also metal strips thinner than 0.05 mm). It can be mounted on any SUKU feeder. With this device you use the total feeder width and the strips sliding friction is very less.

Straightner en-corporated with feeder for Wire Feeding

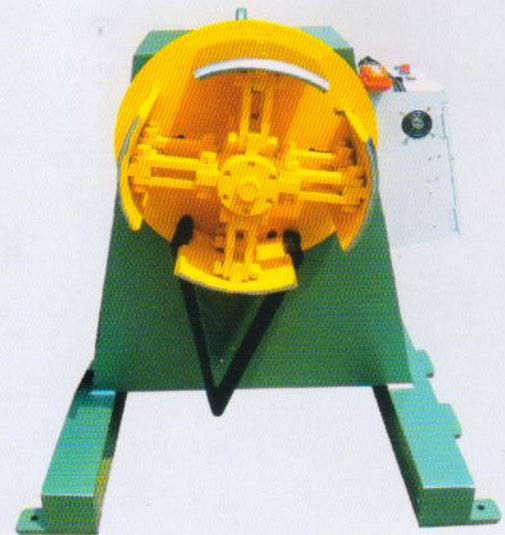


Narrow Width Cut to Length Line



MT-Series

1. Use electromagnetic contact and electric parts, long service life.
2. Integrated with straightener, small volume, simply feeding operation, reduce cost.
3. Roll is made of solid steel, grind it after thermal treatment, good abrasion resistance and long service life.
4. Suitable for continues press processing of various hardware, electrics, electric appliance, toys and auto parts; precise and wearable Special devices.
5. Mechanical Screw Type I.D. Adjustment.



Specifications

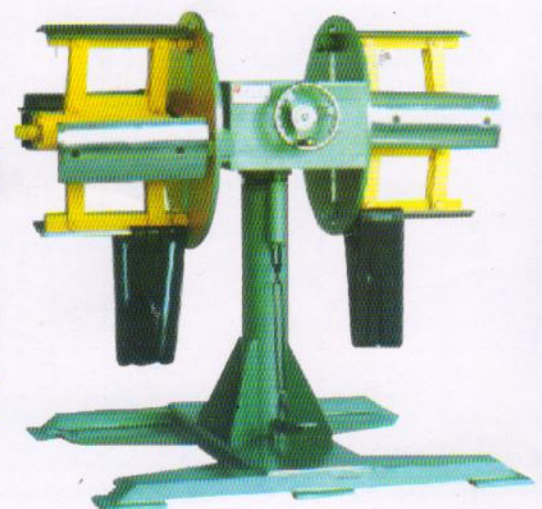
TYPE SUKU-MDME	200	300	400	500	600	700	800	1000	1300	1600
Material Width	200	300	400	500	600	700	800	1000	1300	1600
Material Thickness	2	2	2	2	2	2	2	2	2	2
Material I.d.	450-530	450-530	450-530	450-530	450-530	450-530	450-530	450-530	450-530	450-530
Material O.d.	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Material Weight	500KGS	800KGS	1200KGS	1500KGS	2000KGS	3000KGS	3000KGS	5000KGS	5000KGS	5000KGS
Speed Of Feed	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN	15M/MIN
Coil Expansion	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL	MANUAL
Motor (HP)	1	1	1	2	2	3	3	5	7.5	10

Non-Motorised | Double Side De-Coilers

Features

- Line-up with leveler, economy and practically
- Save production time by loading the next coil
- Details information refer to the introduction of MT-Type

Model	Weight Capacity	Width (mm)	I.D.(mm)	O.D.(mm)
SUKU-200TD	500KG	200	450-530	1200
SUKU-300TD	500KG	300	450-530	1200
SUKU-400 TD	1000KG	400	450-530	1200
SUKU-500 TD	1500KG	500	450-530	1200
SUKU-600 TD	1500KG	600	450-530	1200



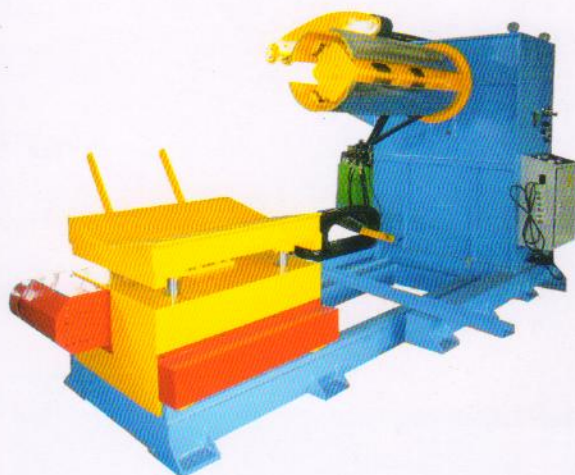
Features

- Line-up with leveler economy and practically
- Save production time by loading the next coil
- Details information refer to the introduction of MT-Type



Model	Weight Capacity	Width(mm)	I.D.(mm)	O.D.(mm)
SUKU-200MTD	500KG	200	450-530	1200
SUKU-300MTD	500KG	300	450-530	1200
SUKU-400 MTD	1000KG	400	450-530	1200
SUKU-500 MTD	1500KG	500	450-530	1200
SUKU-600 MTD	1500KG	600	450-530	1200

MTC-Series | With Coil Loading Car



Features

- Manual or hydraulic expansion of the mandrel
- AC variable speed
- Hydraulic expansion of Jaws -
- Quick release narrow coil keepers
- Loop control (Limit Switch Type / Non Touch Type with Sensor)

Optional Features:

- Traveling coil cars and coil lift stations
- Coil hold down arm
- Hold down arm with motorized end wheels

Decoiler and Cars: decoilers have capacities ranging from 3 tons to 20 tons.
And widths ranging from 200mm to 1600mm

Specification

Type SUKU- MDHE	Material width (mm)	Material thickness (mm)	Coil.I.Dia (mm)	Coil.O.Dia (mm)	Coil Weight (kg)	Line Speed (m/min)	Motor (HP)	Coil Expansion
200	200	2	450-530	1200	3000	15	3	Hydraulic
300	300	2	450-530	1200	3000	15	3	Hydraulic
400	400	2	450-530	1200	3000	15	3	Hydraulic
500	500	2	450-530	1200	5000	15	5	Hydraulic
600	600	2	450-530	1200	5000	15	5	Hydraulic
700	700	2	450-530	1200	10000	15	5	Hydraulic
800	800	2	450-530	1200	10000	15	12	Hydraulic
1000	1000	2	450-530	1200	12000	15	12	Hydraulic
1300	1300	2	450-530	1200	15000	15	17	Hydraulic
1600	1600	2	450-530	1200	20000	15	19	Hydraulic

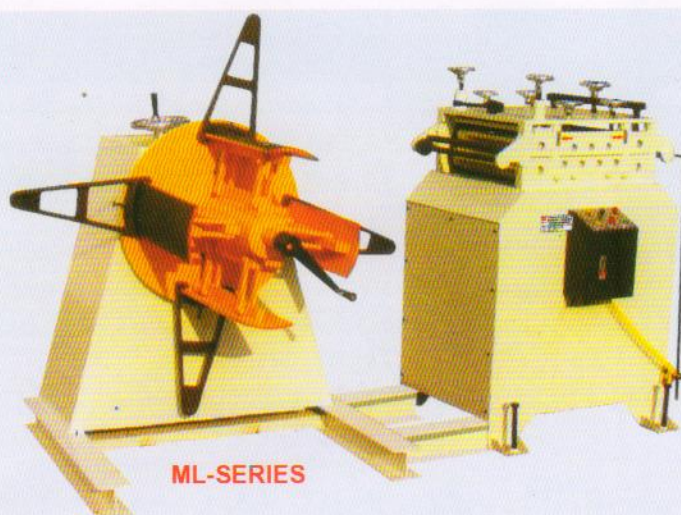
* Design Subject to Change for improvement

ML-Series

Specifications

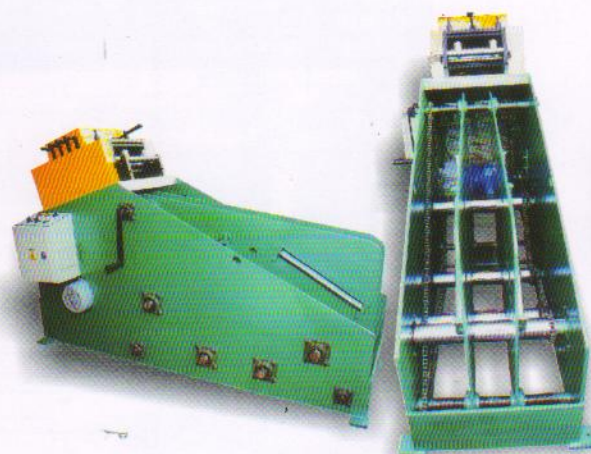
TYPE	ML-150	ML-200	ML-300	ML-400	ML-500	ML-600
mm Max. Material Width	150	200	300	400	500	500
mm Material Thickness	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3	0.5~3
Reducer	1/30	1/30	1/30	1/30	1/30	1/30
HP Motor	1	1	2	2	2	2
Pinching Roller	60x2 80x2	60x2 80x2	60x2 80x2	70x2 98x2	70x2 98x2	70x2 98x2
Work- Roller	50x7	50x7	50x7	60x7	60x7	60x7
Material I.Dia	450~530	50~530	450~530	450~530	450~530	450~530
Material Diameter	1200	1200	1200	1200	1200	1200
Max. Material Weight	800	800	800	1200	2000	2500

* Design Subject to Change for improvement



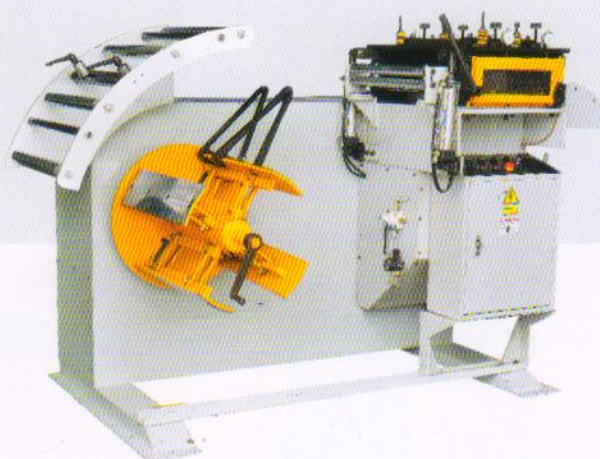
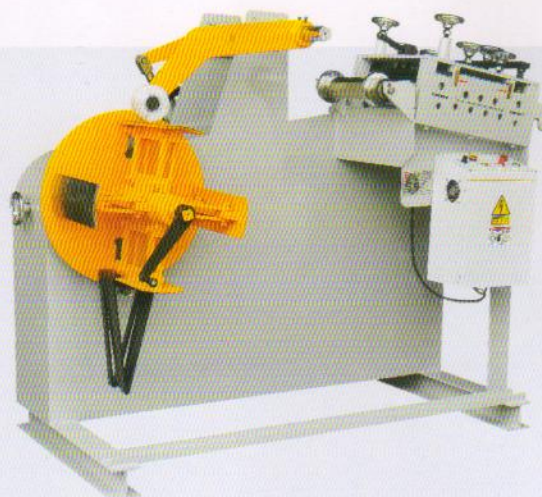
De-Coiler | Cum Straightner

CCS Model	Width (mm)	Thick(mm)	Coil Weight
SUKU-(200x32)	200	0.35 - 1.5	1000kg
SUKU-(300 x32)	300	0.35 - 1.5	1000kg
SUKU-(400x32)	400	0.35 - 1.5	1000kg
SUKU-(500x32)	500	0.35 - 1.5	1000kg
SUKU-(200x60)	200	1.0 - 2.5	1000kg
SUKU-(300x60)	300	1.0 - 2.5	1000kg
SUKU-(400x60)	400	1.0 - 2.5	1000k
SUKU-(500x60)	500	1.0 - 2.5	1000kg
SUKU-(200x80)	200	1.0 - 4.5	2500kg
SUKU-(300x80)	300	1.0 - 4.5	2500kg
SUKU-(400x80)	400	1.0 - 4.5	2500kg
SUKU-(500x80)	500	1.0 - 4.5	2500kg



CRADLE TYPE

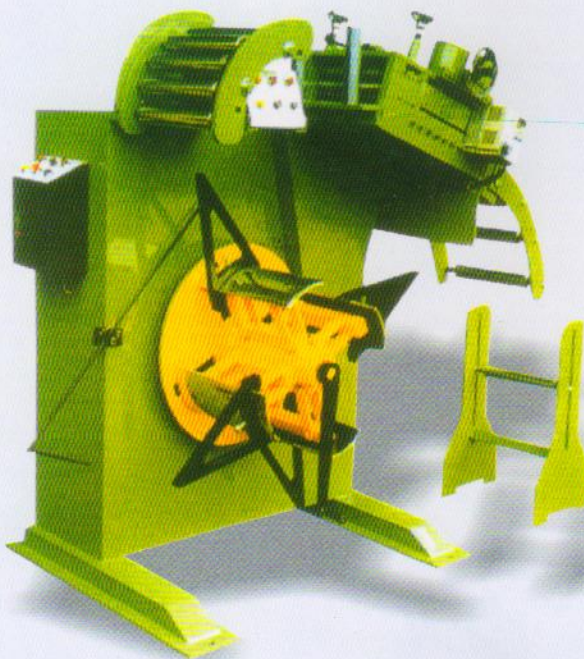
1. Integrated with uncoiler and straightener, save volume, suitable for board processing. Automatically adjust feeding time according to output speed.
2. All rolls are made of bearing steel, have all been quenched, hard-chrome plated and grinded with HRC60 hardness.
3. Use electromagnetic contact and electric parts, long service life.
4. A variable speed control is used normal and high speed operation, control by modern frequency converters, keep pace with straightening, stable feeding.
5. Leveler inclines appropriately to reduce feeding loop distance.
6. Constructed with highly rigid structure and designed with a powerful motorized straightener.



Specifications

GO MODEL	WIDTH (mm)	THICK (mm)	MATERIAL I.D.	MATERIAL O.D.	MATERIAL WEIGHT	SPEED OF FEED (Meter / Min.)	COIL EXPANSION
SUKU-(200x32)	200	0.35 - 1.5	450-530	1200	1000kg	15	MANUAL
SUKU-(300 x 32)	300	0.35 - 1.5	450-530	1200	1000kg	15	MANUAL
SUKU-(400x32)	400	0.35 - 1.5	450-530	1200	1000kg	15	MANUAL
SUKU-(500x32)	500	0.35 - 1.5	450-530	1200	1000kg	15	MANUAL
SUKU-(200x60)	200	1.0 - 2.5	450-530	1200	1000kg	15	MANUAL*
SUKU-(300x60)	300	1.0 - 2.5	450-530	1200	1000kg	15	MANUAL
SUKU-(400x60)	400	1.0 - 2.5	450-530	1200	1000kg	15	MANUAL
SUKU-(500x60)	500	1.0 - 2.5	450-530	1200	1000kg	15	MANUAL
SUKU-(200x80)	200	1.0 - 4.5	450-530	1200	2500kg	15	MANUAL
SUKU-(300x80)	300	1.0 - 4.5	450-530	1200	2500kg	15	MANUAL
SUKU-(400x80)	400	1.0 - 4.5	450-530	1200	2500kg	15	MANUAL
SUKU-(500x80)	500	1.0 - 4.5	450-530	1200	2500kg	15	MANUAL

* Design Subject to Change for improvement



1. Integrated with un-coiler and straightener, save volume, suitable for board processing. Automatically adjust feeding time according to output speed.
2. All rolls are made of bearing steel, have all been quenched, hard-chrome plated and grinded with HRC60 hardness.
3. Use electromagnetic contact and electric parts, long service life.
4. A variable speed control is used normal and high speed operation, control by modern frequency converters, keep pace with straightening.
5. Leveler inclines appropriately to reduce feeding loop distance.
6. Constructed with highly rigid structure and designed with a powerful motorized straightener. Special devices (selective) change feeding speed Motor can use double-shift control transducer control wearable and long service life.

Specifications

MACHINE MAIN SPECIFICATIONS

GOS MODEL	WIDTH (mm)	THICK (mm)	MATERIAL I.D.	MATERIAL O.D.	SPEED OF FEED (Meter / Min.)	Coil Weight	COIL EXPANSION
SUKU-(200x32)	200	0.35 - 1.5	450-530	1200	15	1000kg	MANUAL
SUKU-(300 x32)	300	0.35 - 1.5	450-530	1200	15	1000kg	MANUAL
SUKU-(400x32)	400	0.35 - 1.5	450-530	1200	15	1000kg	MANUAL
SUKU-(500x32)	500	0.35 - 1.5	450-530	1200	15	1000kg	MANUAL
SUKU-(200x60)	200	1.0 - 2.5	450-530	1200	15	1000kg	MANUAL
SUKU-(300x60)	300	1.0 - 2.5	450-530	1200	15	1000kg	MANUAL
SUKU-(400x60)	400	1.0 - 2.5	450-530	1200	15	1000kg	MANUAL
SUKU-(200x80)	200	1.0 - 4.5	450-530	1200	15	2500kg	MANUAL
SUKU-(300x80)	300	1.0 - 4.5	450-530	1200	15	2500kg	MANUAL
SUKU-(400x80)	400	1.0 - 4.5	450-530	1200	15	2500kg	MANUAL
SUKU-(500x80)	500	1.0 - 4.5	450-530	1200	15	2500kg	MANUAL

* Design Subject to Change for improvement

BCL TYPE (Roller diameter 32mm)

For thickness upto 1.6mm., Roller dia 32mm., Single point adjustment, with or without VFD Panels. All rolls are hardened, ground and chrome plated. And all standard electrical motors and gear box used.

1. Suitable for straightening of various thinner metal sheets, good effect.
2. A variable speed control is used normal and high speed operation, control by modern frequency converters, keep pace with press, stable feeding.
3. All rolls are made of solid steel, have all been quenched, hard-chrome plated and grinded with HRC60 hardness.
4. Selection range is extensive according to the thickness of the materials and work pieces.



Model	BCL-200	BCL-300	BCL-400	BCL-500
(Mm) Material width	200	300	400	500
(Mm) Material thickness	0.2-1.5	0.2-1.5	0.2-1.5	0.2-1.5
(m/min) speed	15	15	15	15
Straightener diameter x quantity	32 x All Driven 32 x up 7 / down 8			
Pitch roller diameter x quantity	32 x 2 / 32 x 2 32 x 2 up / 32 x 2 down			

* Design Subject to Change for improvement



CLS TYPE (Roller diameter 60mm)

For thickness upto 3.0mm., Roller dia 60mm., Single point adjustment, with or without VFD Panels. All rolls are hardened, ground and chrome plated. And all standard electrical motors and gear box used.

Leveler

DIMENSION : MM

Type mm	CLS - 150	CLS - 200	CLS - 300	CLS - 400	CLS - 500	CLS - 600	CLS - 700	CLS - 800
Max. Material Width mm	150	200	300	400	500	600	700	800
Material Thickness mm	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3
Reducer	1/30	1/30	1/30	1/30	1/30	1/30	1/30	1/30
Pinching Roller	60x2 80x2	60x2 80x2	60x2 80x2	60x2 98x2	60x2 98x2	60x2 98x2	60x2 98x2	98x2 80x2
Work - Roller	60x7	60x7	60x7	60x7	60x7	60x7	60x7	60x7

* Design Subject to Change for improvement



HS-A TYPE

(Roller diameter 80mm)

For thickness upto 4.5mm., Roller dia 80mm., with or without VFD Panels. All rolls are hardened, ground and chrome plated. And all standard electrical motors and gear box used.

- Suitable for straighten different metal sheets.
- Efficient automatic material feeding equipment, a dramatic increase in productivity is achieved by lane up with Auto Reel (MT-type) MTDM-type)
- Hard chrome plated Roller, low wear, long operating life.

Specifications

DIMENSION :MM

Type	HS-200A	HS-300A	HS-400A	HS-500A	HS-600A	HS-700A	HS-800A
WIDTH MAX	200	300	400	500	600	700	800
MATERIAL THICKNESS	1.0-4.5	1.0-4.5	1.0-4.5	1.0-4.5	1.0-4.5	1.0-4.5	1.0-4.5
SPEED OF FEED (M/min)	15	15	15	15	15	15	15
MOTOR (hp)	3	5	5	7.5	7.5	10	10

* Design Subject to Change for improvement

HS-B Type

(Roller diameter 120mm)

For thickness upto 6.0mm., Roller dia 120mm., with or without VFD Panels. All rolls are hardened, ground and chrome plated. And all standard electrical motors and gear box used.

- Suitable for straighten different metal sheets.
- Equipped with magnetic contractor and electronic components, minimum breakdown
- Efficient automatic material feeding equipment, a dramatic increase in productivity is achieved by lane up with Auto Reel (MT-type) MTDM- type)
- Hard chrome plated Roller, low wear, long operating life.



Specifications

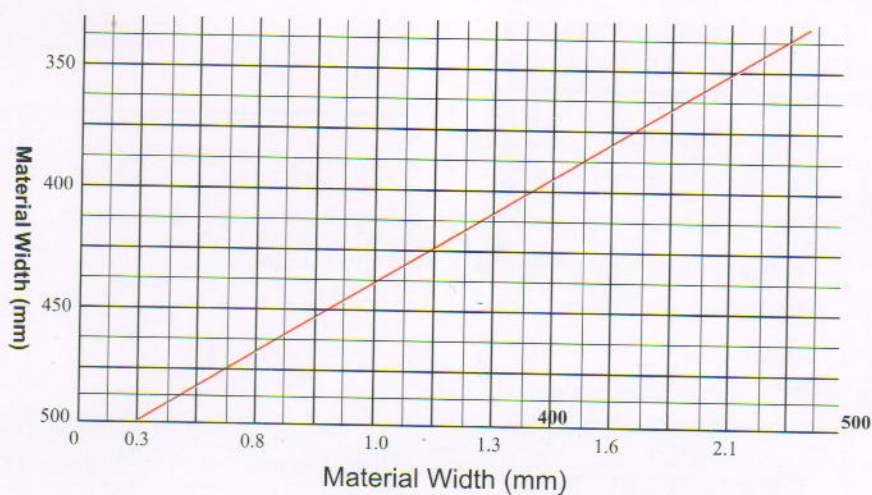
DIMENSION :MM

Type	HS-200B	HS-300B	HS-400B	HS-500B	HS-600B	HS-700B	HS-800B	HS-1000B
WIDTH MAX	200	300	400	500	600	700	800	1000
MATERIAL THICKNESS	1.0-4.5	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0
SPEED OF FEED (M/min)	15	15	15	15	15	15	15	15
MOTOR (hp)	3	5	5	7.5	7.5	10	10	15

* Design Subject to Change for improvement



- It is able to exactly match the Double End Coil Cradle, Easy operation, It can complete match with high speed press, Use with roll feeder machine effect will be better.
- "S" type loop guiding system is equipped with optical signals. PC and frequency converter and can work synchronizing with the press.
- The frequency converter adjusts speed. SPM up to 60m/min.



Specifications

Model	JM3S-200	JM3S-300	JM3S-400
Max. Width(mm)	120	200	300
Max. Thickness (mm)	0.35~1.0	0.35~1.0	0.35~1.0
Max. Material	60	60	60
Motor (HP)	1	1	2
Power		AC380V- (AC three-phase voltage)380V	

* Design Subject to Change for improvement



Simple 3-in-1 Straightener Feeder Uncoiler



Servo Feeder with 2-in-1 Cradle Type



Standard | Accessory

- Electric Eye Loop Control System.
- Straightener Opener Device.
- Feeding line easily adjusts by advance worm gear screw jacks device.
- Feed and straightener rolls with a hard chrome finished.
- Hold down arm device.
- Transformer
- PLC Control Feeding program from Mitsubishi.

Specifications

Item	Model	TNCF1 -300	TNCF1 -400	TNCF1 -500	TNCF1 -600	TNCF2 -300	TNCF2 -400	TNCF2 -500	TNCF2 -600
Width of Material(mm)		55~300	55~400	55~500	55~600	75~300	75~400	75~500	75~600
Feed Length (max.) mm		9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99
Thickness of Material(mm)		0.15-1.5				0.3-2.3			
Max coil Weight(kg)		1000	2000	3000		2000		3000	
Coil I.D.(mm)		508				508			
Max. Coil O.D.(mm)		1200				1200			
Max. Speed(m/min)		16				16			
Feed pitch Accuracy(mm)		±0.15				±0.15			
Feed Roll		Upper1/Lower1				Upper1/Lower1			
Work Roll		Upper8/lower9	Upper10/Lower9				Upper6/Lower5		
Power Supply		220VAC60HZ				220VAC 60HZ			
Air power supply		5kg/cm²				5kg/cm²			
Uncoiler Expansion		Material operated	Hydraulic				Hydraulic		
Servo Motor (kw)		AC0.75	AC 1.5		AC2.2	AC 3.5			
Uncoiler Motor (kw)		1.5		2.2		1.5		2.2	

Straightening | Performance

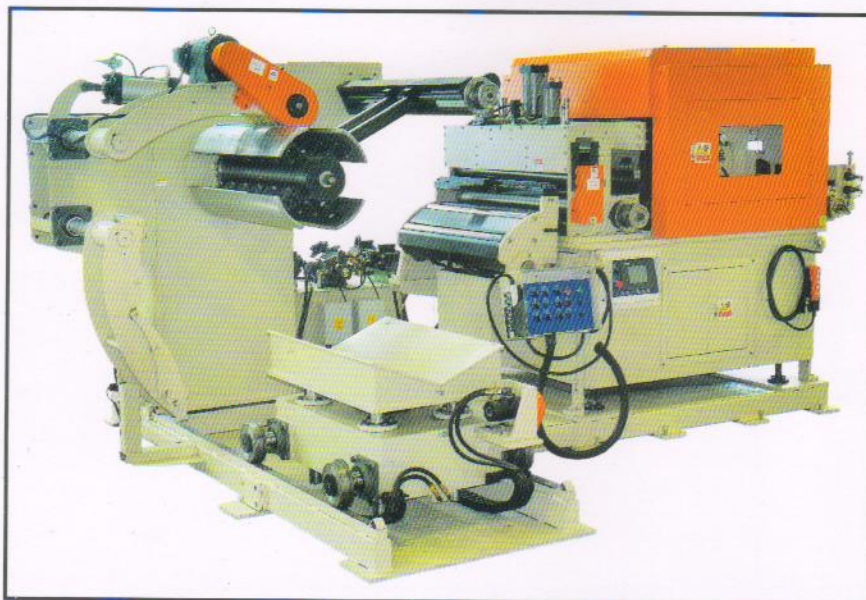
Model/W idth/Thickness	0.15	0.35	0.6	1.0	1.2	1.5
TNCF1-300	300			200	150	100
TNCF1-400	400					
TNCF1-500	500					400
TNCF1-600	600				500	400

Model/Width	Thickness					
	0.3	0.8	1.2	1.6	2.0	1.5
TNCF1-200	300					100
TNCF1-400	400				280	
TNCF1-500	500				250	400
TNCF1-600	600				240	400

* Design Subject to Change for improvement

3-in-1 Servo Feeder Cum Straightener Cum UN-Coiler

SUKU™

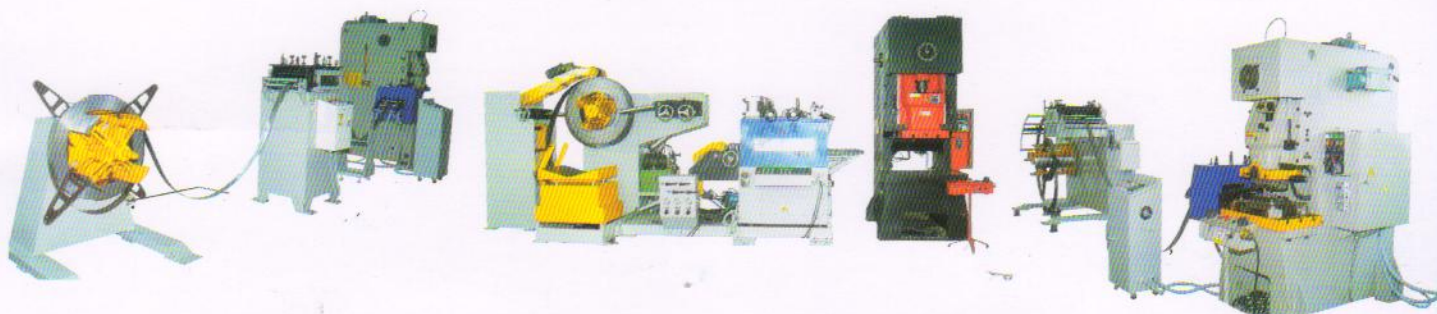


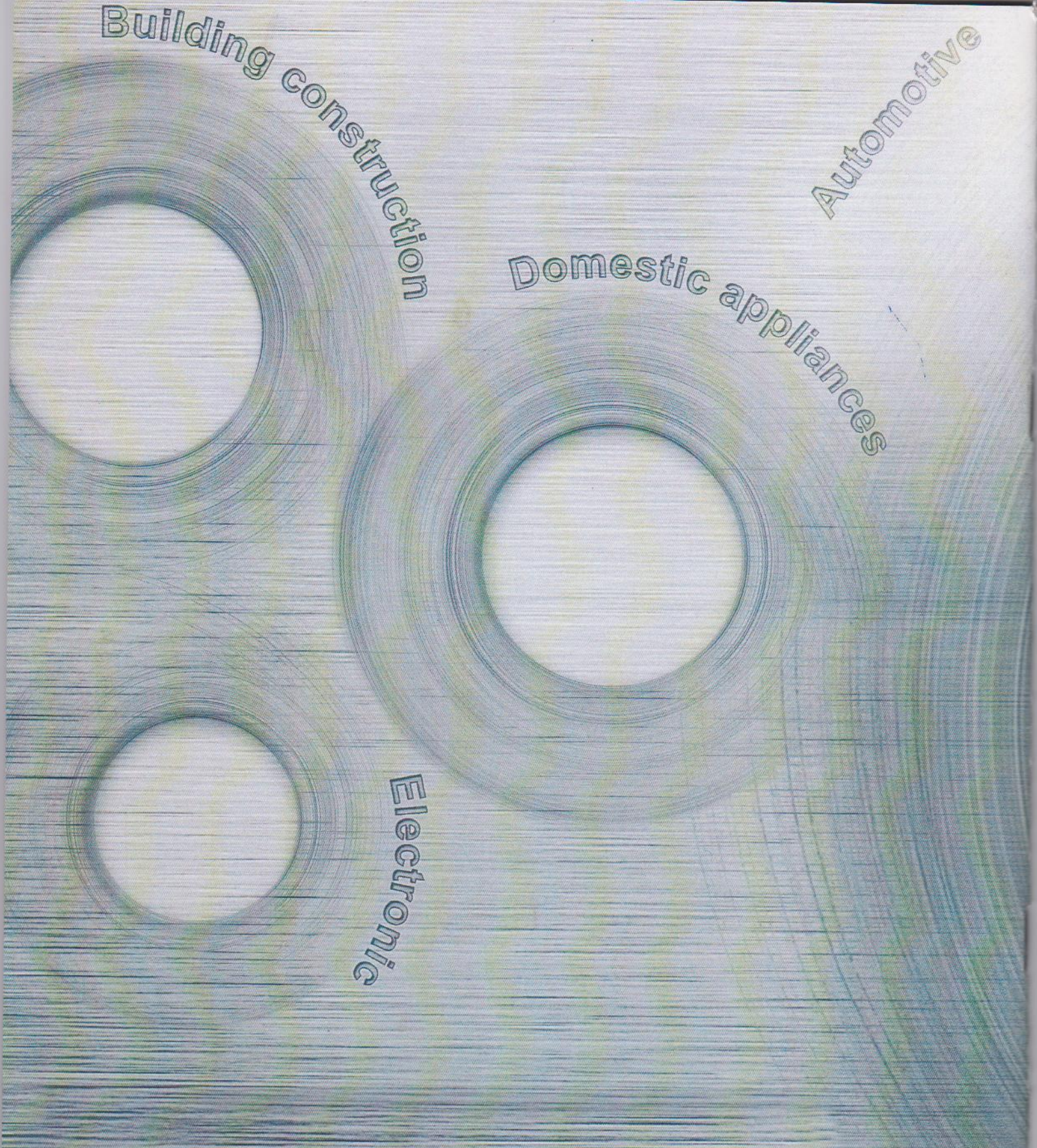
Standard | Accessory

- Electric Eye Loop Control System.
- A cluster gear set maximizes transmission of horse power.
- Feed and straightener rolls with a hard chrome plated.
- Hold down arm device.
- Feeding line can be easily adjusted by advance worm gear screw jacks device.
- Reference indicator adjuster.
- Outgoing catenary to assist and support the material.
- Coil side guide.
- Transformer.
- PLC Control Feeding program from Mitsubishi.

Specifications

Item	Model	TNCF3 -300	TNCF3 -400	TNCF3 -500	TNCF3 -600	TNCF4 -300	TNCF4 -400	TNCF4 -500	TNCF4 -600	TNCF4 -700	TNCF4 -800
Width of Material(mm)		75~300	75~400	75~500	75~600	75~300	75~400	75~500	75~600	75~700	75~800
Feed Length (max.) mm		9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99
Thickness of Material(mm)		0.4-3.2				0.5-4.5					
Max coll Weight(kg)		2000		3000		2000				5000	
Coil I.D.(mm)		508				508					
Max. Coil O.D.(mm)		1200				1200					
Max. Speed(m/min)		16				16					
Feed pitch Accuracy(mm)		±0.15				±0.15					
Feed Roll		Upper1/Lower1				Upper1/Lower1					
Work Roll		Upper5/Lower4				Upper4/Lower1					
Power Supply		220VAC60HZ				220VAC 60HZ					
Air power supply		5kg/cm²				5kg/cm²					
Uncoiler Expansion		Hydraulic				Hydraulic					
Servo Motor (kw)		AC 3.5				AC2.9		AC 4.4		AC7.5	
Uncoiler Motor (kw)		1.5		2.2		2.2				3.7	





Building construction

Automotive

Domestic appliances

Electronic

SUKU[®]

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