tamco

Coil Feeding Solutions

in Technical Tie up with

CATTANEO ITALY
Coil handling and feed equipment

Higher End NC Servo Feeder

SRF 120-600

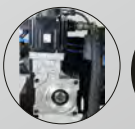
SRF 80-200

SRF 160-800

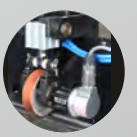
Minimum Backlash Gearbox is used for better accuracy & higher torque.

The accuracy is made by a double measuring system servo motor resolver + measuring wheel on sheet.

Special TDC arrangement for transmission of power from lower shaft to upper shaft which results in min backlash during too / fro motions.



Imported Gear Box (< 5' Backlash)



Measuring Wheel

SRF 120-800

SRF 80-150

FEATURES

- The feed rollers are hardened 62 Hrc and ground with a 0.50 micron surface finish.
- The lower roll is directly driven by precision gear box with <5' backlash & brushless servomotor (ratio as per model).
- Special TDC arrangement for transmission of power from lower shaft to upper shaft which results in min backlash during to / fro motions.
- Pressure to the upper roller by two pneumatic cylinder with independent pressure release. (SRF 160 via Hydraulic Cylinder)
- You can open the upper roll at every stroke at 95 -160 spm with angle 50°.
- The material is positioned in the feeder by 4 guides, these can be used to auto centre the strip together with the ability to adjust the material off centre if required.
- Inlet bracket roller with 3 lower roll and 1 upper roll.
- Back Plate with 150 mm of adjustment by manual hydraulic Jack or gear box motor (uptill SRF 100).
- Support square with 200 mm of adjustment by gear box motor (above SRF 120).
- Digital servo driver with closed loop positioning system.
- Operator panel with the possibility to program 99 programs of 14 different steps repeat no. of times.
- Programmable feed length from 1 mm to 9999 mm.
- Feed accuracy 0.04 mm.
- Measuring wheel with encoder
- Program to give signal to shear after feeding sequence is completed for cutting material at required length.
- OPTIONAL : Synchro with press by absolute encoder mounted on the press main shaft.

High Precision NC Servo Feeder (Standard Models)

Model		Strip Width mm	Max Strip Thickness mm	Roll ø mm	Max Speed m/mm
SRF 80	150	170	3	80	96
	200	220	3	80	96
SRF 100	200	220	4	100	93
	300	320	4	100	93
	400	420	3.5	100	93
SRF 120	600	620	8	120	61
	800	820	7	120	61
SRF 160	800	820	8	160	81
	1300	1320	7	160	81

The above parameters are for the material having tensile strength 40 Kgf/mm² max.
Technical specifications are indicative and subject to change to suit end application.

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