



CANTILEVER SLITTING MACHINE

This offer for Bhagwan Sing Negi Sir.

Duplex Re-winder & Shaft Less / Shafted Un-winder System .

3 (Three Drive Control System)

Cantilever centre winding machine capable of handling virtually any material from thin, extensible with gauge variations to high tensile film PVC, laminates, laminated aluminium foil & Blister Foil, three ply materials at specified speeds, It is designed for easy operation system and minimum maintenance.

THE DIFFERENTIAL SHAFT REWINDING SYSTEM :-

Consisting of twin rewind ball friction differential shaft assures fastest change over and finished rolls of consistent quality and uniform density. Adjoining faces of spacers acts as individual slip-clutches and each slit strip is free to wind at its own speed and tension, regardless of the size or core of adjacent wound rolls. Compensating for gauge variation, If any speed & driving torque on each core will be varied automatically through e2p converter by increasing the pressure with required increasing pr mode through an proper sensing. Pneumatic Lay-on roll with balancing pressure control helps to iron out air in the rewind roll and greatly assist in controlling difficult materials. Pneumatic provided for Separate lay-on roller, shaft lock, shaft support arm & main nip pressure.

An ultrasonic sensor will be provided to sense the minimum increase in rewind diameter to monitor & control the total tension of the system.

For both re-winder tension are separated.

THE CUTTING UNIT :-

Rotary cutter system is ball screw based & Razor Blade slitting system is combo-slitting system for fastest change over. A high capacity trim disposal unit complete with fan-motor and chute is provided. Suitable for foils, paper and laminates also.

UN-WINDER AND GUIDING SYSTEM :-

Edge guiding system J&D Make at unwinding station with a tracking mechanism incorporated at the machine for maximum accuracy. Unwind station will be a separate part of the machine. The un-winder stand along with material will travel along with tracking trolley with a sliding capacity of ± 50 mm to cut any type of material with maximum accuracy. A heavy duty shaft less un-wind with tracking trolley will be provided for 76 / 152 mm core Adoveptor Ultrasonic sensor based / load cell base un-winds tension control system with 6 caliper imported pneumatic brake with suitable mechanical transmission.

RE-WIND SHAFT :-

Heavy duty, multiple bearing supported rewind shaft to be provided with individual set of ball locks for each roll. Pneumatic thruster with auto pressure control will maintain sleep for each coil. Pneumatic auto shaft locking & shaft support system also provided for easy take out of sleeeted roll. Un loading Stand provide also.

NIP UNIT :-

Consisting of one 190 mm dia balanced, ground, hard chromed M.S roller (driven by main motor) and one pneumatically pressured rubber nip with both side control.

Two number of adjustable roll positioned before nip & after nip to remove wrinkles (If any) from unwind material.

TECHNICAL SPECIFICATION :-

Width of the Working :-	1200 mm
Width of the guide Roll :-	1400 mm
Width of the Machine in to in :-	1700 mm
Max. un-winder roll dia :-	900 mm
Max. un-winder roll weight :-	900 Kg.
Un-winder mounting:-	76 mm / 152 mm core Adoveptor Shaft less system

Machine Plate Thickness :- 45 mm,
Machine Width :- 1200 mm
Machine Height :- 1700 mm From floor

Re-winder core dia - 76 mm Ball lock Differential Shaft (Mighty engi tech) make
Max. production speed - 300 meter/min
Min. slit width - 50 mm
Max. Re-winder roll dia - 450 mm
Passing roll - 100 mm dia Aluminium Anodized coated and dynamically balanced.

Panel:- Relinquo automation Pvt. Ltd.

DRIVE : -

Separate rewind shaft drive - 5.5 kw (7.5 HP) Each rewinder (Top & Bottom)
a.c. digital drive .

Main drive - 7.50 kw (10 HP) a.c. in speed mode.

Reputed make control system with lenze make digital A.C drive at
Re-winder & Ultrasonic sensor based tension control system with
imported 6 calliper pneumatic brake (Renova / Re, Italy) at un-winder
will be provided with the machine with PLC and SCADA. All operation
will be controlled through **touch screen** with diff data storage option along
with manual operating option.

All pneumatics are SMC/ ZENETIC make.

All motors are MARATHON / ABB make.

Web guide J&D Make unwind guiding system with heavy duty traveling
system.

Delivery : 50 to 60 Days - After receiving order confirmation.

Price of machine : 3000000 (Thirty Lakhs only) (Basic), extra GST 18%.

**Payment terms : Advance 60%, Working progress 30%, remaining
Balance will be paid after trial of machine in our plant**

Warranty : 1 year.

Service : 1 year.

Transportation : Provided from your end.

For **"GUPTA ENTERPRISE"**



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