

OTAU-2000 Automatic Slitter Rewinder

1. Main Components

- 1.1 D.C. Driving Gears
- 1.2 Inverter
- 1.3 PLC
- 1.4 Remote Control Switch
- 1.5 Time Relays
- 1.6 Terminal Boards
- 1.7 Structural Metal Works
- 1.8 Plungers
- 1.9 Plungers and Lamps
- 1.10 Pneumatic Parts
- 1.11 Terminals
- 1.12 Ball or Roller Bearings
- 1.13 Roller Thrust Bearings
- 1.14 D.C. Motors
- 1.15 A.C. Motors

2. General Characteristics

2.1 Max. Band Width	2000 mm
2.2 Mechanical Speed	400 M/min.
2.3 Production Speed Up To	300 M/min (According With Products)
2.3 Diameter of The Unwinding coil	1000 mm
2.5 Inner Diameter of Unwinding Cores	3" or 6" on request
2.6 Diameter of The Winding	190 mm
2.7 Inner Diameter of the Winding Cores	3"
2.8 Shafts Winding Motors Power	4kw
2.9 Brake Unwinding Jumbos Power	kg/m 17 Electrical
2.10 Electrical Installed Power	32
2.11 Compressed Air Pressure	6 Bar (min.5)
2.12 Compressed Air Consumption	NL/CYCLE 1500
2.13 Electrical Feeding	380 V - 50 Hz - 3 PH+ Neutral Conductor + Earth

An American owned manufacturing in Mainland China

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Distribution in Sri Lanka: 164 Puttalam Road, Kurunegala, Sri Lanka



2.14 Auxiliary Circuits	24 V, D.C
2.15 Feeding	220 V - 50 Hz
2.16 Auxiliary Uses	24 V, D.C
2.17 Electrical Protection	IP 54
2.18 Weight:	
Slitting Machine	Approx 8,000 Kgs
Unwinding Unit	Approx 1,500 Kgs
Core Loader	Approx 800 Kgs

3. Provisional technical data

Silted and Rewinded material in a 3" core

Slitting width: as per your request; one interchangeable group 48mm or 50mm
Included in the machine price

4. Slitting System

With razor blade or the Pressure knife
(Pressure knives are not included in the price of the machine)

5. Supply Composition

- 5.1 Unwinding Station (Jumbo Roll Material)
- 5.2 Slitting Rewinding Central Unit
- 5.3 Automatic Core Loader (For Inside Rolls Carton Cores)

5.1 Unwinding Group

Is made with two shoulder made of a wide special iron and joint with shaft well dimensioned to avoid any stress to the machine.

- Unwind for master roll (jumbo) of 1000 diameter
- Adjustable pressure roller on unwind roll
- Web break detector with quick machine stop
- Braking proportional to speed and roll diameter variations, by magnetic particle brake
- Air expansion shaft on unwind for cores of 3" I.D.
- Electromechanical axial centring of jumbo roll through push button.

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5.2 Slitter

- Machine frame made of structural steel and machined steel frame bearings: pulling unit, web path driven rollers through frictions and idle rollers
- Transmission through toothed belts
- Automatic tab application starting from roll
- Razor blade cutting assembly
- Score cutting assemblies
- Two turret assemblies, for 2 shafts each, with automatic rotation
- Two crosscuts
- Control counter of tab positioning on the roll by optic reader, tolerance +/- 1.5 mm
- Automatic release of shafts on the turrets
- Shafts manual loading on turrets
- Manual unloading of shafts from turrets on collecting skids
- Shafts moving from the slitter to the core loader and back is done manually
- Two trim rewinders with oscillation proportional to the speed
- all the shaft are driven with brushless motor each, electronically controlled
- control panel
- Digital electronic meter counter with memory
- Machine total cycles counter
- Meter totalize
- Service tools kit
- PLC

5.3 Automatic Core Loader 1203 for cores of 3" I.D. in line with the slitter

Machine with wholly automatic cycle for the unloading of rewind rolls and the loading of cores on the shaft in line with the slitter

6. Supply Description

6.1 Technical Characteristics:

Web width: 2000 mm

Core width: 50mm

Electric power supply: 380V 50Hz 3 PH

Compressed air supply: 6 bar

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6.2 Machine made up of

- Frame with core hopper;
- Power agitator for core orientation, same for all cutting sizes;
- Shaft system for roll unloading and core loading with air cylinder;
- Completely automatic cycle controlled through a push button;
- Electric and air systems included in the machine;

The connection between the slitter and the core loader is done through a system called Transfer system

and is totally automatic.

The operator is only taking the shaft from the machine and is putting in front of him in a carriage and

push a button.

The shaft will be carried into the core loader and unloaded (rewound rolls) and loaded with new cores in

one time and carried back in front of the operator.

He will take the shaft and put in a slide the machine is taking the shaft automatically and bring into the

turret and lock it by air.

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