

Machine Description

Dual-Spindle Slitter-Rewinder mod. STB/60 (second hand and reconditioned)

(Year of Manufacturing 1995)

Suitable for slitting and rewinding:
flexible packaging materials (not stretchable and not rigid).



Machine Description

Technical specification

- Max. batch roll diameter mm. 1000
- Max. finished roll diameter mm. 600
- Roller width mm. 1200
- Max. web width mm. 1100
- Min. rewind width (*feasible on request*)..... mm. 40
- Unwinding I.D. core mm. 76 (3")
- Rewinding I.D. core mm. 76 (3")
- Unwind stand side shift mm. ± 50
- Max. machine speed mt/min. 300

Note: the above-mentioned speed is changeable according to the nature and thickness of product and the slitting widths.

- Main DC. motor No. 01
- Rewind DC. motor No. 01
- Inlet compressed air pressure (clean & dry) bar 07 ÷ 08
- Machine colour (pearl-white) RAL 1013
- Voltage 380 V, 3 phase, 50 Hz (L1 + L2 + L3 + PE, without neutral).
- Machine in conformity to the safety rules and accident prevention.

Consisting of:

- Two main steel frames, solidly joined together by tie rods that form a strong and solid assembly and include **unwind, draw, slitting and rewind unit**, as follows :

Unwind

- Integral shafted unwind stand mounted into the front of machine, consisting of two frames joined by tie rods and mounted on bearings at high slide for the side movement, with a stroke of ± 50 mm. as to the central position.
- Batch roll holder pneumatic expanding shaft for 76 mm. (3") I.D. core.
- Hydraulic system for the batch roll lifting from floor level to working position.
- Batch roll automatic alignment by web guiding system, supplied with sensor for the printed line and edge control.
- Idler guide roller covered with black rubber to cause the correct contrast that is needed for the sensor of the web guiding system (in case of its fitting) during the web path.
- Servo ventilated pneumatic brake.
- Pneumatically loaded dancer roller for the automatic tension control of the unwinding web. The signal caused by the dancer roller operates on the pneumatic brake in order to maintain a constant tension.
- Idler roller at adjustable parallelism to take out the loose edges.

Machine Description

Draw

- Draw unit driven by main DC motor consisting of rubber covered feed roller and chromium-plated steel nip roller at pneumatic drive.

Slitting

- Razor blades slitting unit (in air), supplied with razor blade holders mounted on millimetrical bar.
- Wrap shear knife slitting unit driven by the main DC motor, consisting of top knife shaft on which are locked the male shear knives and bottom knife shaft on which are fitted the female knives and spacers. The non-locking female knives are fitted onto the bottom knife shaft and the gaps between the female knives are filled with aluminium spacers in order to set the same in position. This bottom knife shaft is swing-out type in one side to set the slitting unit as quickly as possible.

Rewind

- Two rewind stations driven with DC motor supplied with two swing-out shafts for the quick unloading of the finished rolls. The rewind tension is programmed through a set of regulators (min. and max.) for each rewind station to automatically adjust the parameters with respect to the increasing roll diameters. The revolutions of the rewind shafts are automatically adjusted with respect to the increasing roll diameters. The rewind motor direction is reversible. The rewinding occurs under differential control and the rewind shafts are speed controlled to maintain a slight overspeed with respect to the rewinding roll; on these shafts are fitted the differential clutches on which are locked the rewind cores and spacers are used to fill in the gaps between the same; the torque is transmitted to each of the differential clutches which proportionally slip to the axial pressure exerted; an electropneumatic automatic system controls the axial force along the rewind shafts.
- On each roll it is possible to fit an independent rubber covered lay-on roll in order to prevent the air coming in the web during rewinding phase.

Guide rollers

- Set of rollers are located between the unwind, slitting section and rewinding with function of guide and conveyance.

Controls

- Electric and pneumatic controls placed on board in rewind side, within easy reach of the operator.
- Speed control, start, stop and emergency stop also in the unwind side.
- Drive system for each DC motor.
- Programmable Logic Controller (P.L.C.) for the control of analogue-digital input and output of the main machine functions.

Machine Description

- Double preselection meter-counter with totalizing counter to set the meter to be rewound. It is preset for slowing down the working speed by the first preselection and stopping the machine after a predetermined length of material by second preselection.
- Panelboard, including all the electrical and electronic equipment, incorporated in the machine, easy to reach.

Machine equipment

- 1 - Pneumatic expanding unwind shaft for 76 mm. (3") I.D. core.
- 1 - Hydraulic system for the batch roll lifting.
- 1 - Web guiding system with edge/line sensor.
- 1 - Servo ventilated pneumatic brake.
 - Unwind tension control by dancer roller.
- 1 - Idler roller at adjustable parallelism.
- 1 - Spreader roller (banana).
- 1 - Razor blade slitting unit (in air).
- 5 - Razor blade holders.
- 1 - Wrap shear knife slitting unit.
- 5 - Sets of male shear knife holders with female knives.
- 1 - Full set of spacers for the female knife setting.
- 1 - Trim exhauster mod. AR2 (1,5 Kw).
 - Reversible rewind motor direction.
 - Programmable rewinding tension control.
 - Pneumatic distribution for lay-on rolls.
- 6 - Sets of supporting arms for rubberized lay-on rolls.
- 6 - Sets of pneumatic cylinders for rubberized lay-on rolls.
- 4 - Rubberized lay-on rolls in width 200 mm.
- 2 - Rubberized lay-on rolls in width 600 mm.
- 2 - Rubberized lay-on rolls in width 1200 mm.
- 2 - Steel rewind shafts, swing-out type.
- 8 - Self-locking clutches for 76 mm. (3") I.D. core, for differential control winding.
- 1 - Set of spacers for setting the self-locking clutches in rewinding position.
- 1 - Double preselection meter-counter with totalizing counter.
- 1 - Panelboard incorporated in the machine.
 - Manual of machine in **English**.

Machine commissioning and operator training (if requested)

This service can be carried out at the customer's factory by one of our technicians; the suggested time for this operation is 4 - 5 days, to be fixed (travel time excluded). The technician labour costs, board, lodging, as well as pre-paid flight ticket and any transfer on site will be at the Buyer's charges.

Daily flat rate for the technician (per eight hour day)	EUR	700,00
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SALE CONDITIONS

Delivery time : 7-8 days from order date and deposit payment (subject to prior sales).
General testing : at our factory.
Installation & Commissioning : excluded (see above).
Packing : included.
Delivery terms : ex-works 20020 Vanzaghello, MI, Italy.
Payment : 30 % deposit payment with order, by TT;
: 70 % prior to despatch, by TT.
Offer expiry : 30.04.12 (subject to prior sales).
Guarantee : **not available.**