

NER PF

INOX ELX

F MARIN



Inox-Elx, s.l. maquinaria

***CUSTOM DESIGNED
MACHINES***

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UNWINDING-CUTTING-REWINDING MACHINE OF BANDS

DCR-800-BG

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DCR/ BG-800 UNWINDING-CUTTING-REWINDING MACHINE



DCR/ BG-800 CORTADORA REBOBINADORA DE BANDAS DE CAUCHO

Machine designed for unwinding, cutting and rewinding of bands. The process involves splitting the initial roll, with a certain width, in wide bottom rolls as needed.

- Initial roll width: 800 mm
- End rolls width: 30-400 mm
- Speed: 30 m/min
- Number cuts: 1-11 cuts

UNWINDER :

- Expandible Pneumatic axis for internal diameter of cardboard tube of 76 mm
- Stay on supports BOSCHERT of square axis of 30 mm, with safety clips before unexpected turns
- Magnetic electronic dust brake, for control of tension to unwind
- Self-adjustment system (with variable speed unit) of the spool lateral, with photocell of reading on the edge of the material
- Adjustable electronic control of band tension



Front (unwinding)

CUT SYSTEM

- 10 blades of cut with pneumatic drive of approach. The blades work by pressure on a tempered axis with positioning and blockade manual
- Independent system of activation of cut of the blades, the deactivated position separates vertically the blade of the material
- The tempered roller is motorized and synchronous with the rest of the machine
- The pressure of the blades is adjustable based on the cut necessity



REWINDER

- Rewind by expandible axis for cardboard tube of inner diameter of 76 mm
- Stay on supports Boschert of square axis of 30 mm, with safety clips before unexpected turns
- The last axis of step mounted on cells of load for reading of the tension provided by the band. The reading is sent to the corresponding control



ELECTRICAL SYSTEM

- The system controls the following functions:
 - Brake of the unwind
 - The guidance of the material
 - Rewind of the material
- Variable speed unit : 2,2 kw (ABB)
- Variable speed unit: 0,37 kw (ABB)
- Automata 07K797
- Cylindrical photoelectric switch, reading up to 300 mm
- Stop/ put on pulsator
- 3 emergency pulsators
- Regulating button to fit the wished velocity
- Regulating button to fit wished tension of winding

SECURITY SYSTEM

- Multibeam photoelectric safety switch: a sender unit (type 2), separation between beams is of 21 mm.
- Multibeam photoelectric safety switch: a receiver switch unit (type 2), separation between beams is of 21 mm
- 2 Mirrors: which diverts the emitted light beam and reflects it to the receiver
- This system provides a protection of security in all the contour of the machine
- When the operator makes a change of spool or he works in the risk zone is blocked the motor system of the maquina. The blockade does not allow any operation