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T/100EX
SEMIAUTOMATIC ROLL SLITTING MACHINE FOR LARGE ROLLS

SEMIAUTOMATIC ROLL SLITTING MACHINE FOR LARGE ROLLS CLASS T/100EX

The semiautomatic roll slitting machine class T/100E can easily slit with the highest safety for the operator most of materials in roll up to diam. 300 mm (12") and max weight 60 kg such as bias or straight fabrics, non-woven with and without adhesives and also foam rolls in polyethylene and PVC, glass and carbon fibers, plastic films, rubber, masking tapes, roofing materials, and more. This machine has been designed with the utmost attention to safety features to obtain, **for the first time in the market**, from IMQ (www.imq.it Italian Institute for Quality Trademarks) the **Certification of Examination "CE" for standards 2006/42/EC (Ref. IMQ/304)**. The technical file of the machine has been deposited by IMQ organization that has certified the conformity to "CE" European Community Safety Standards.

TECHNICAL FEATURES

- Highly safe for the operator. The blade is totally protected by a guard and the operator can perform the cut only if both hands are on a pushbutton and on the cutting lever.
- Machine standard equipped with inverter for blade speed control up to 600 rpm and for roll speed control up to 400 rpm
- Fast semiautomatic positioning of the blade carriage. The operator pushes a button and the pneumatic cylinder indexes the blade carriage to the preset measure.
- Cutting width easily presettable on a graduated knob with magnifying glass for a clear view of the ruler
- Sharpening of the knife on both sides with pneumatic displacement towards the blade of the motor driven main grindstone and an auxiliary grindstone to remove the sharpening burrs.
- Machine includes a diamond to dress the main grindstone. Main grindstone in Borazon available on requests.
- Pneumatic device to lift the roll shaft on the side of the support.
- Self centering chuck with external grippers for the cardboard and for the roll with possibility to choose the roll rotation direction. Pneumatic chuck T100/CHUCK available on request
- PLC controlled machine with a separate safety PLC to control the safety devices of the unit. Machine available on requests for special applications

DEVICES ON REQUEST

- T100/SIL Blade lubrication system
- T100/D50 Machine with blade diameter 50 cm for max roll diameter 40 cm
- T100/REV Winding device to rewind rolls on the paper tube in the roll shaft support
- T100/CM Mechanic meter counter for T100/REV winding device. (Only for woven fabric, not for knits)
- T100/250CM Extra for machine with roll shaft length up to 250 cm (100")
- T100/BAR Extra roll shaft support with diameter at choice (between 34 and 55 mm)
- T100/B75 Extra roll shaft support with diameter 75 mm (3")
- T100/FLA Flange with springs for roll support
- T100/LFT Pneumatic lifting device for roll shaft on blade carriage (for heavy rolls)
- T500/COL Blade cooling system by compressed air expansion
- T100/FWD Automatic movement of the blade towards the roll with adjustable speed
- T100/CHUCK Pneumatic chuck

TECHNICAL DATAS

- Roll dimensions: diameter 30 cm x 185 cm⁽¹⁾ Kg.60 max
(1) Rolls up to 220 cm width can be loaded but the first cut can be done at a maximum distance of 185 cm from the chuck
- Accuracy of blade positioning ...: ± 0.3 mm
- Blade diameter: 45 cm (18").
- Roll shaft diameter Standard 49,3 mm – On request from 34 to 75 mm
- Installed power and voltage: 4 kW 400V $\pm 5\%$ 50Hz 3-phases (other voltages on request)
- Compressed air: 6 bar

