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T50EX HD
SEMIAUTOMATIC ROLL SLITTING MACHINE FOR PLASTIC FILMS

SEMI-AUTOMATIC ROLL SLITTING MACHINE FOR PLASTIC FILMS CLASS T50EX HD

The T50EX HD manual slitting machine with semiautomatic movement of the blade carriage to the cutting measure and semiautomatic movement of the blade carriage towards the roll is specifically projected to cut plastic films such as polyethylene or polyurethane but it can cut also most of materials in rolls.

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 "CE" conformity for standards 2006/42/EC (Ref. IMQ/354)**. 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 enclosed, and the operator can do the cutting operations only when both hands are engaged on two pushbuttons
- Fast pneumatic positioning of the blade carriage. The operator presses a button, and the blade carriage indexes to the preset measure on a screw.
- Cutting width easily presettable on a graduated knob with magnifying glass for a clear view of the ruler
- Machine standard equipped with digital inverters to adjust the blade speed up to 70 rpm and the roll speed up to 140 rpm
- Automatic movement of the blade towards the roll at the maximum speed and photocell to slow down the speed to the preset cutting speed just before the blade reaches the roll to cut
- Adjustable cutting force and cutting speed to obtain a uniform cut along the roll.
- Sharpening of the knife with pneumatic displacement towards the blade of the motor driven main grindstone in BORAZON and an auxiliary grindstone to remove the sharpening burrs
- Blade cooling system available on requests
- Self-centering mechanic chuck with double locking of the roll on the external of the roll (3 pliers) and one extra plier to lock the cardboard core
- PLC controlled machine with a separate safety PLC to control the safety devices of the unit

DEVICES ON REQUEST

- T50/SIL Manual blade lubrication system
- T50/FLA Flange with springs for roll support
- T50/BAR Additional roll shaft support with diameter at choice (between 34 and 55 mm)
- T50/BAR75 Roll shaft support with diameter 75 mm
- T500/COL Blade cooling system by compressed air expansion

TECHNICAL DATAS

- Roll dimensions: diameter 200 mm x 2000 mm ⁽¹⁾ Kg.20 max
- Accuracy of blade positioning: ± 0.3 mm
- Blade diameter: 360 mm (diam 400 mm on request)
- Roll shaft diameter: 50 mm (on request 75mm)
- Electrical data: 2,2 kW - 400V 50Hz 3-phases (other voltages on request)
- Compressed air: 6 bar
- Space requirements: 2500 x 1300 mm approx.
- Net weight: 500 kg

(1) up to 2000 mm can be loaded but the first cut can be done at a maximum distance of 1600 mm from the chuck

