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LS/bp

**TECHNICAL FEATURES OF THE EUROPROGETTI AUTOMATIC LINE TYPE “EP175S.” FOR THE PRODUCTION OF COVERED RIGID BOXES OF STANDARD SIZE :****MAXIMUM : - LENGTH: 600 MM - WIDTH: 400 MM - HEIGHT : 185 MM****MINIMUM : - LENGTH: 50 MM - WIDTH:30 MM - HEIGHT: 12 MM**

Consisting of:

**One Type “EPQ175S.” Automatic Quad Stayer**

- High Pile Feeder for Board Blanks
- Feeder with non-stop device.
- Double board blanks warning system with machine stop
- Board blanks feeding through suckers with lift at the front edge
- Sliding system with rolls and belts at adjustable speed to eliminate breaking of board blanks
- Precise location of board blanks under forming block with pushers
- Large diameter thermo-tape reels located on the side of the machine with an “end-of –reel” acoustic signal. Facility to change reel without stopping machine
- Thermo tape heat-sealing system with adjustable pressure pads on the corners of forming block
- “Cross-shaped” and “T-shaped” stitching system.
- Box ejection by cylinder and suction to position the box precisely on conveyor belt
- Box transport system to the spotter with 2 operating modes
- Digital display and temperature control of the 4 heat sealing tape anvils
- Precision adjustment of forming block position

**One Type “ALFACE.5” Automatic Gluing Machine**

- Automatic Glue Viscosity Control Unit
- Automatic sheet feeder with lifting the rear of the sheet for the insert of papers up to 300 g/m2
- Stainless steel, chromed and rectified glue rolls
- Rollers/belt speed automatic adjustment
- Vacuum conveyor with running digitally adjustable gap control
- Servo driven motor on vacuum conveyor (not mechanical) with mm by mm variable step control
- Centralised lubrication.
- Strong aluminium vacuum suction channel with guides for suction conveyor belt
- Perforated conveyor belt with higher suction capacity to the centre
- Additional vacuum box for small sheets
- Controlled acceleration and deceleration of conveyor belt, motor driven
- Auto sheet detection - if glue pickers not lowered, paper will not feed
- Glue Tank “GTCEC02”with capacity of 70 litres

**One Type “EPS175S.” Automatic Spotter**

- Choice left or right-hand side
- Suction speed adjustable with inverter
- Box unloading even without research

- Paper reading by three photocells and hydraulic control unit
- Mechanical guide unit to control box movement during positioning
- Simple size change-over

### **One Type "EPW175S." Automatic Wrapping Machine**

- The wrapper is the Master of the line
- Possibility of 'T' shape wrap for boxes up to 60 mm width
- Correct ergonomic working height
- Work cycle controlled by P.L.C - no mechanical cam
- Possibility to lift box from belt
- Easy fixing and locking tools
- Regulating pressing time up to 9,99 seconds
- Standard or sequential inside turn-in
- Possibility of inside wrapping up to 70 mm
- Four hundred (400) job programs storage

### **Technical specifications of the line**

Maximum size of the paper sheets: 900 x 720 mm

Minimum size of the paper sheets: 123 x 88 mm

Maximum box size

Length: 600 mm

Width: 400 mm

Height: 185 mm

Minimum box size

Length: 50 mm

Width: 30 mm

Height: 12 mm

With very large or very small boxes please also consider the minimum and the maximum size of the paper wrap as well as the paper quality.

- Speed: up to 34 cycles/minutes (subject to sizes and design)
- Maximum pile height in Quad Stayer: 970 mm
- Maximum Heat-sealing tape reel diameter: 400 mm
- Pile height in the gluer: 350 mm
- Dimensions: L = 7,59 m x width = 4,39 m x H 3,82 m (in operation)
- Net weight: + / - 5170 kgs
- Electrical power in operation: + / - 11,5 Kw
- Compressed air supply: 5 - 7 bars
- Compressed air consumption in operation: 580 NI/min.(air compressor of +/- 4 kws)
- Clear operators manual
- Full control by P.L.C.
- Electric diagrams
- Complete list of machine parts (drawing with exploded sight).