

## TAPE OVER SEWING - TOS 3000-SW



***Providing your multi-wall paper bags with a siftproof sewn closure!***

### ***Process:***

The bag must first go through a specially designed and separate sewing system called MOS. The bag's top will be trimmed and then sewn.

A blowing system triggers the action of the clipper knife, realizing a very short thread chain after the closure, at the exit of the MOS.

Then the bag enters immediately the TOS 3000-SW where a 60mm wide paper tape is applied instantly over the top and both sides of the sewn sides of the bag. The tape is a pre-coated paper tape with either a hot melt adhesive coating or a PE coating depending on applications (the reactivation is realized by passage through a two radiant heaters section). The tape is firmly pressed onto the bag by two pressure rollers.

### **Key advantages**

**Applying a tape over the top and both sides of the sewn line:**

- **Providing a closure which is strong, durable and siftresistant.**
- **Prevention of sifting of products or of contamination.**
- **Ideally to be used in combination with a MOS sewing system.**

### ***Bag types:***

- Bag width: 100 to 1000mm; Bag thickness: 4 mm maximum
- Paper Bags used with MOS sewing system (pillow 2 to 4 plies and gusseted)

➤ NB: it is desirable to carry out bag trials so that the correct configuration can be recommended.

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## Key features:

- A variable speed drive
- A tape monitoring is present.
- A heater monitoring which actively looks at the heaters to see if they are operating correctly. If not, an alarm is shown and the failed heater identified.
- Temperature control monitoring giving a “go/no go” signal to the filling station so that product can be filled into the bags.
- Temperature control to the heaters which are individually controlled.
- Timer set up for controlling the length of free tape before and after the bag.
- Independent speed adjustments for the tape drive rollers. This allows the operator to set the speed of the tape rollers at the same speed as the carrying belts.
- Bag counter
- Control software: user friendly, trilingual, access with password
- Clear polycarbonate front panel to monitor easily the tape sealing process

## Specifications:

- Depth: 1060mm
- Width: 1525mm
- Height: 1897 to 2397mm (this is the adjustable range of the TOS from its lowest position to its maximum position, this gives the TOS a working range of 500mm)
- Weight: 260 kg
- Power supply: 380-415VAC, 3 Ph+N, 50-60Hz
- Maximum current : 10 A
- Speed range: - standard: 6.2 to 14.1m/min adjusted with VFD  
- optional 2.2 to 6.2m/min or 9.7 to 22.2m/min speed ranges are also available
- Control enclosure : IP54 standard
- Compressed air : 0,6 MPa clean, dry air – 20L/sec
- Tape 60mm wide:
  - 25500HM-W: hot melt seal tape white
  - 25500HM: hot melt seal tape brown
  - 25500B6-90.30: kraft paper 90 grams + 30 grams PE coating brown
  - 25500W6-90.30: kraft paper 90 grams +30 grams PE coating white

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