

## TAPE OVER SEALING - TOS 3000-SL



***Providing a siftproof double closure to your paper bags with a poly liner or an aluminium liner !!!***

### ***Description:***

This single (and simple!) machine provides a double closure (sealing the inner liner and closing the top by applying a tape).  
The unit must have an extended infeed with a mandatory bag top trimmer (optional additional airwash).

### ***Process:***

Entering the TOS 3000-SL, a 60mm paper tape will be applied over the top and both sides of the bag. The tape is a pre-coated paper tape with either a hot melt adhesive coating or a polyethylene coating depending on applications.  
At the same time, the inner liner is closed by reactivation by these radiant heaters (radiation transfer) through the outer paper bag.

### **Key advantages:**

- **2 machines in one**
- **Double closure!!!**
- **Prevention of foreign items from falling between the different layers of the bags**

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

|                                 |                           |
|---------------------------------|---------------------------|
| Bag width                       | 100 to 1000mm             |
| Bag thickness                   | 4 mm maximum              |
| Paper bags with Poly liner      | 2 to 4 plies and gusseted |
| Paper bags with Aluminium liner | 2 to 4 plies and gusseted |

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

**Key features:**

- A variable speed drive
- A tape monitoring is existent.
- 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: 1100mm
- Width: 2310mm
- Height: 1900mm min to 2400mm max (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: 300 kg
- Power supply: 380-415VAC, 3 Ph+N, 50-60Hz
- Maximum current : 10 A
- Speed range:
  - Standard: 6.2 to 14.1 m/min adjusted with VFD
  - Optional: 2.2 to 6.2 m/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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