

TSM-3000 PE



**Top-seal strapping machine
with package compression**

Optimize Performance

For maximum flexibility,
highest productivity
and performance

Higher Flexibility

Low height and
adjustable speed of
bayonet and telescopic
strap chute

High Speed Productivity

Automatic strap feed
and take-up with smart
dispenser

Low Cost Ownership

Robust machine design
with low maintenance
to minimize costs

TSM-3000 PE

Top-seal strapping machine with package compression

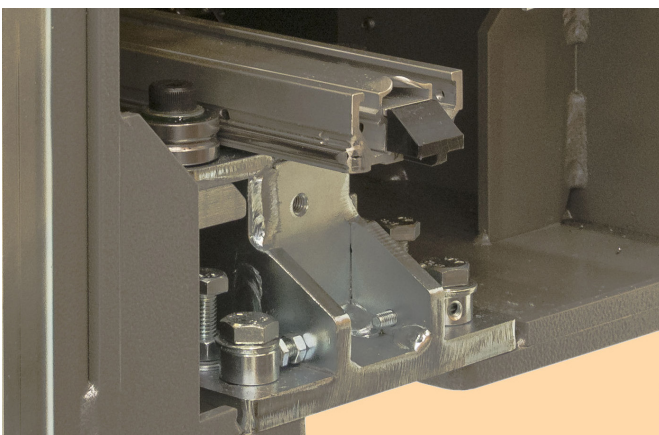
TSM Machine / Features and Benefits

The modular design allows the range to use various strapping head types to be used with a machine design. This possibility for flexible head integration allows a large field of applications to be covered as well as being able to use flat and embossed plastic strap with friction weld technology.

- **High speed productivity**
Intelligent dispenser with auto strap feed-up and re-feed from dispenser into sealer for medium and light duty heads.
- **Higher flexibility**
Low height of bayonet and adjustable speed for customisation and higher throughputs
- **Higher performance**
Floating head carriage for consistent and high retained strap tension on the product.
- **Reduced operator training needs**
7" HMI operator touch screen for intuitive operation and simplified trouble shooting.



Flexible production options



Low height bayonet or special protected bayonet for flexibility. Adjustable speed of bayonet for higher customisation and higher throughputs. Full-length strap-flaps on bayonet for increased reliability.

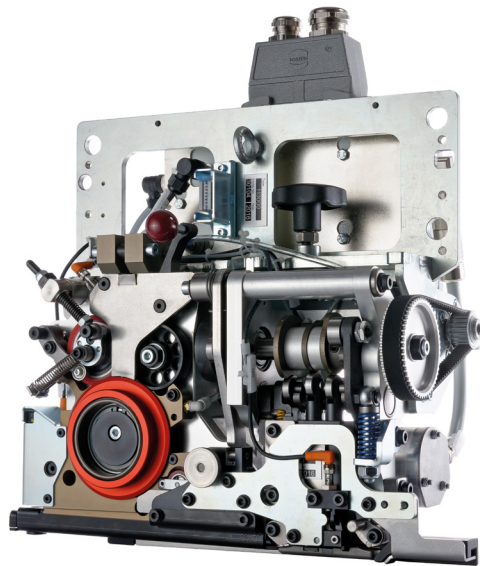
Intuitive HMI display panel



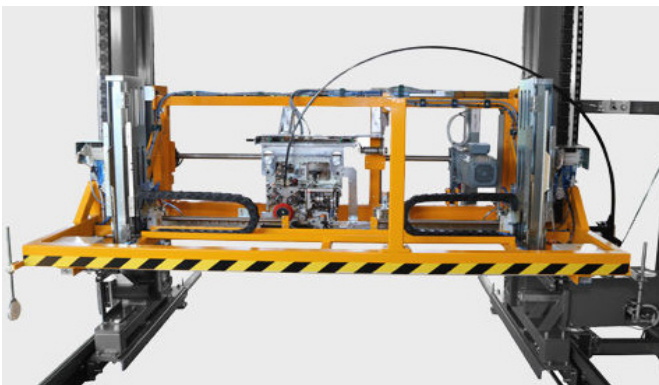
An icon driven control panel that provides step by step prompts for easy and intuitive set up, with minimal language used, for simple control of all functions from a single panel.

Strapping Head / Features and Benefits

- High performance**
 Head carriage located on top of load equipped with model H3000 strapping head for high applied and retained strap tension on the load.
- High seal efficiency**
 Friction weld technology, immediately available, no pre-heating time.
- Increased durability**
 Durable and robust design and components for highest availability.
- Reduce Downtime**
 Strapping head design can be serviced conveniently and quickly.



Improved head carriage



Fast variable speed drive motor with three-fold safety level on lifting chains. Lightweight space-frame model for high speed productivity. Optional heavy duty compression platen and top edge-protection applicator available.

Accumulating strap dispenser



Standard dispenser for medium and heavy duty applications. Jumbo dispenser station option for maximum machine uptime.

TSM-3000 PE

Top-seal strapping machine



Technical Specifications and Machine Dimensions

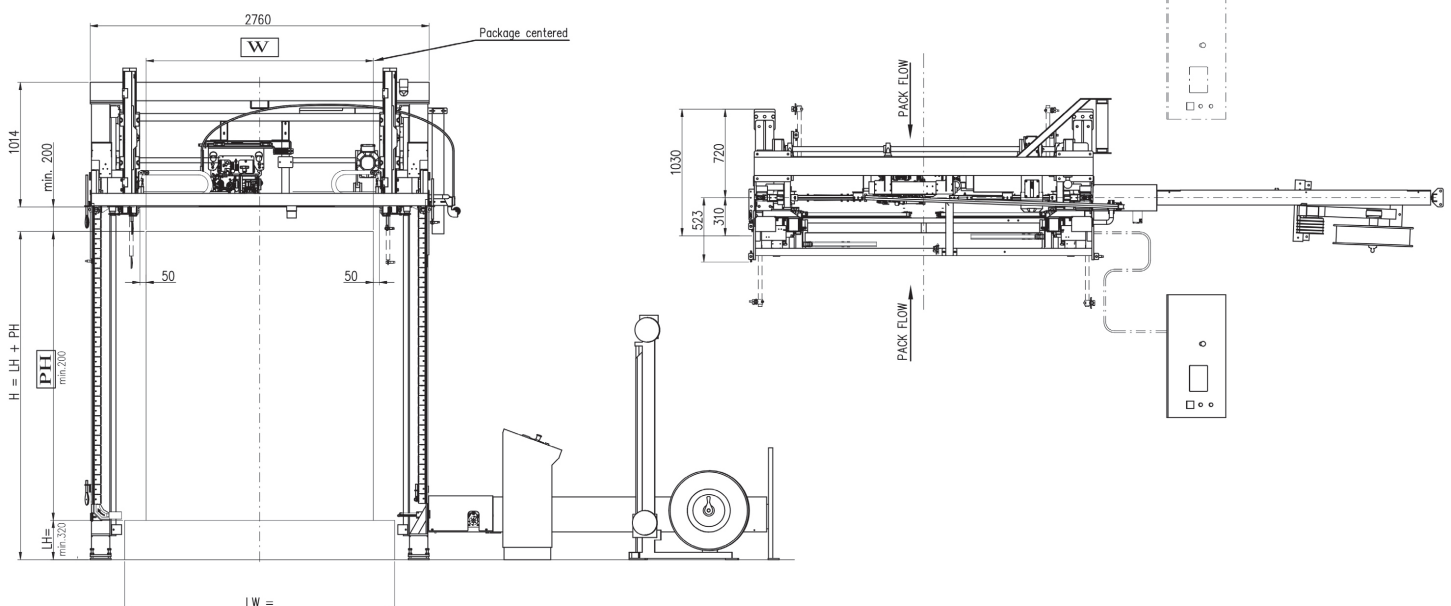
Model	3000-PE 0.6	3000-PE 2.0	3000-PE 3.0
Strapping Head	H3000		
Carriage Speed	160mm/second		
Strap Size & Type	12mm - 16mm Polypropylene and Polyester		
Strap Tension (N)	200 - 3000		
Sealing Method	Friction Weld		
Conveyor / Conveying Height	Minimum 300mm (bayonet) Minimum 380mm (closed chute)		
Chute Types	Bayonet for pallets / Closed chute for packages		
Compression Force (Vertical)	600kg Max	2000kg Max	3000kg Max
Electric Supply	400V 3Ph 50Hz		
Consumption (kVA)	3 - 4		
Control Voltage	24V DC		
Throughput	60 bundles per hour @ 18m/min conveyor		
Machine Weight (kg)	1600	1800	1800
Strap Coil	406mm (16") Core		
Operator Console	Free standing		
Package Size (mm) Height x Width	1500 x 1250, 2000 x 1450, 2500 x 1650		

Standard Features

- Machine frame column design
- Steel carriage construction
- Strapping head floating design
- Rack drive system
- Vertical electric package compression
- Telescopic strap chute
- Free standing operator station
- Siemens S7 PLC controlled
- Free standing strap dispenser
- Automatic strap end detection

Available Options

- H6500 heavy-duty strapping head
- Pre-height scanning of package
- Bayonet light barrier pallet check
- 200mm package height strapping
- Strap end pre-warning
- Jumbo strap coil dispenser
- Air conditioning unit



The company reserves the right to make technical alterations without prior notification.
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