

TSM-3000



Top-seal strapping machine

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



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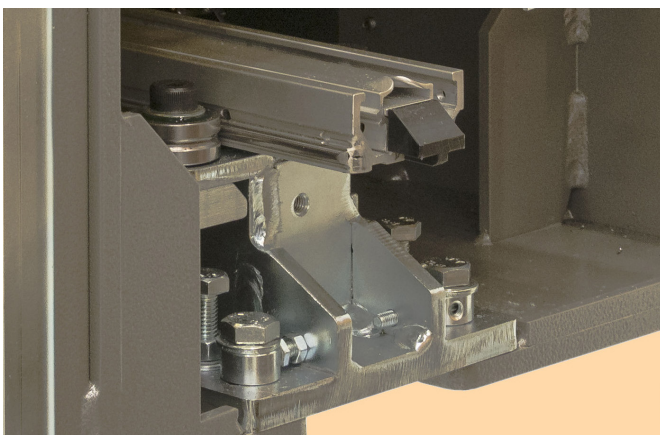
TSM Machine / Features and Benefits

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.

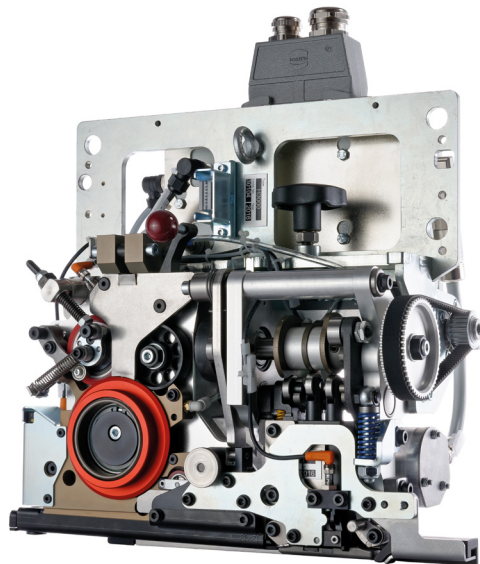
Intuitive HMI display panel



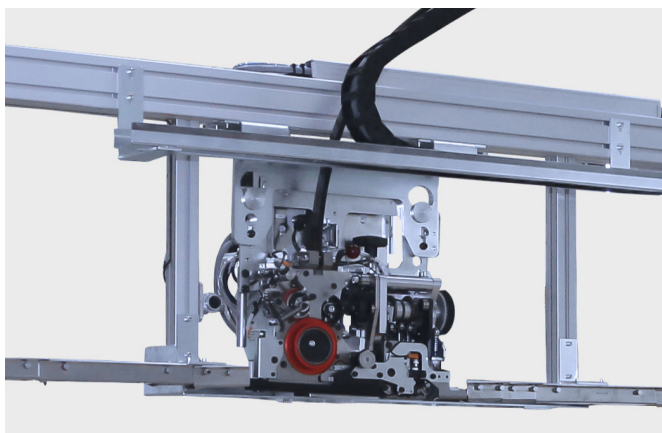
An icon driven control panel that provides step by step prompts for easy and intuitive set up, with minimal language used, for simple control of all functions from a single panel.

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.

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Technical Specifications and Machine Dimensions

| | |
|------------------------|-----------------------------|
| Pack Width (mm) | 300 - 1650 |
| Pack Height (mm) | 200 - 2500 |
| Strap Sizes (mm) | 9 - 16 |
| Strap Types | Polypropylene and Polyester |
| Strap Tension (N) | 200 - 3000 |
| Strap Feed Speed (m/s) | 6.7 |
| Controller | Siemens S7 1200 type |
| Operator Display | 7" HMI TFT Screen |
| Electric Supply | 400 V 3 Ph 50 Hz |
| Consumption (kVA) | 3.0 |
| Control Voltage | 24V DC |
| Machine Weight (kg) | 800 |

Available Options

- Low strap indicator
- Package pre-height dedection
- Conveyor and turntable options
- Load positioning & conveyor controls
- Electrical indexing machine
- Machine guarding package
- Profibus DP / Profinet
- Special colour (RAL)
- Electrical load compression
- Variable height bayonet control
- Auto top edge-protection applicator
- Jumbo capacity strapping dispenser

