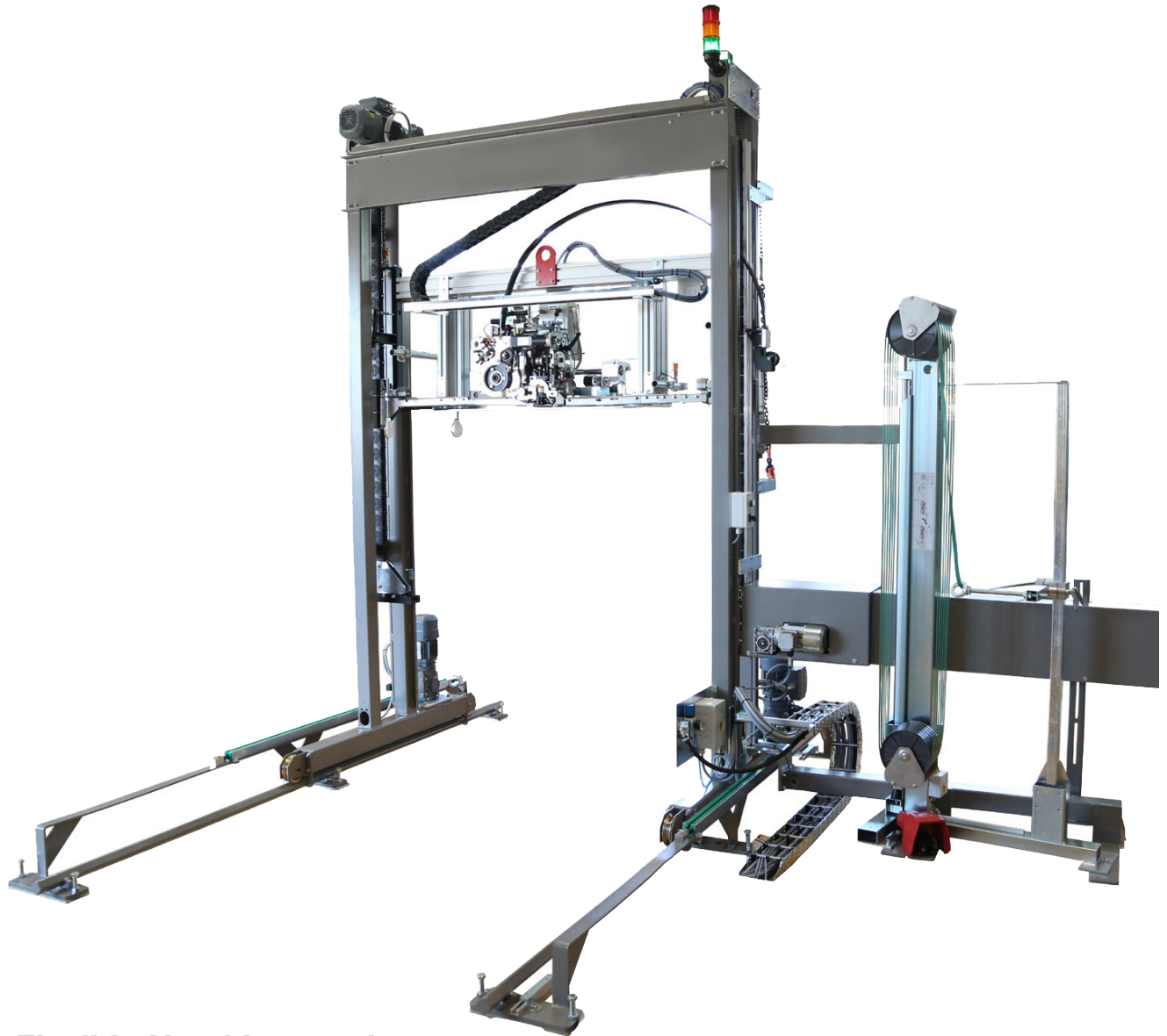


TSM

series

Next Generation - Top Seal Strapping Machine for Plastic Strapping Applications
For Maximum Flexibility, Highest Productivity and Performance



Flexible Head Integration

Modular design allows use of various strapping head types

High Speed Productivity

Auto strap feed-up and re-feed from dispenser

Low Operation Cost

Long life, brushless drive motors

High Reliability

Durable design and components for 24/7 operation

Simple to Service

Few easily exchangeable wearing parts

Secure strapping every time

High seal efficiency with friction weld technology

 **SIGNODE®**

TSM

series

Next Generation - Top Seal Strapping Machine for Plastic Strapping Applications
For Maximum Flexibility, Highest Productivity and Performance

TSM Series

The TSM Series is the next generation strapping machine for plastic strapping applications.

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.

TSM Series combines rationalised construction with even more durable wear parts for reduced total cost of ownership.



4 more reasons why the next generation TSM Series is the new industry standard for plastic strapping applications.

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.

Lower Cost of Ownership

Direct brushless drives (without a clutch or belt) for less service needs and longer life (depending on type of head).

Higher Performance

Floating head carriage for consistent and high retained strap tension on product.

Industry standard for performance and reliability.

Higher productivity and lower ownership cost.

5 reasons why the next generation TSM Series is the new industry standard for plastic strapping applications.

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

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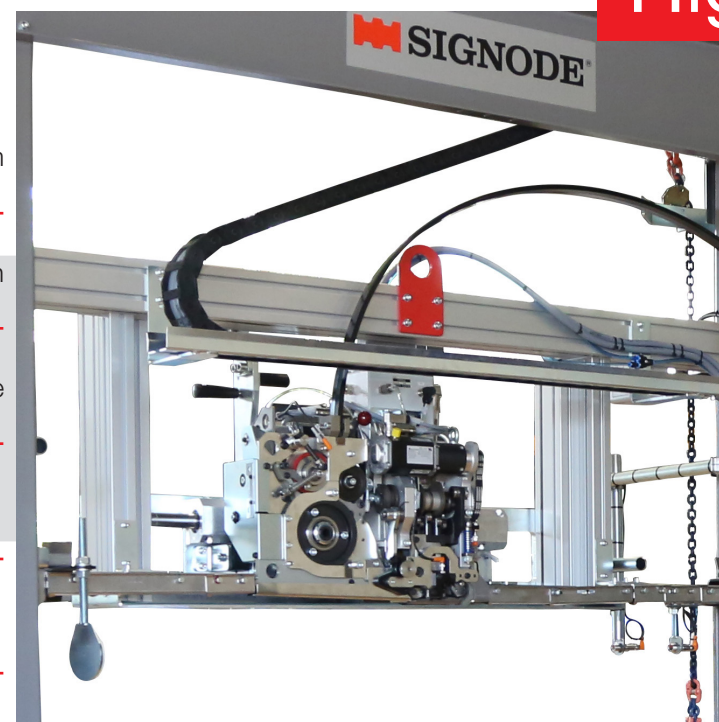
Direct brushless drives (without a clutch or belt) for less service needs and longer life (depending on type of head).

Higher Performance

Floating head carriage for consistent and high retained strap tension on product.

Reduced Operator Training Needs

7" HMI operator touch screen for intuitive operation and simplified trouble shooting.



Intuitive HMI Display Panel

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



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 as well as top edge protection applicator available.



Flexibility In Production

Low height bayonet or special protected bayonet for flexibility. Direct brushless drives reduces service needs and lowers TCO. Adjustable speed of bayonet for higher customisation and throughputs. Full length strap-flaps on bayonet for increased reliability.



Intelligent Strap Dispenser

Intelligent dispenser with auto strap feed up and re-feed from dispenser into sealer for medium and light duty MHC heads. Standard dispenser for medium and heavy duty H3000 / H6500 heads. Jumbo dispenser station option available for maximum machine uptime.

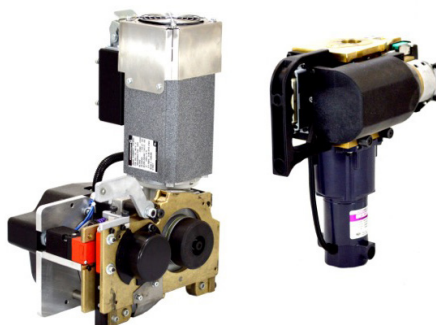
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Next Generation - Top Seal Strapping Machine for Plastic Strapping Applications

Technical Specifications

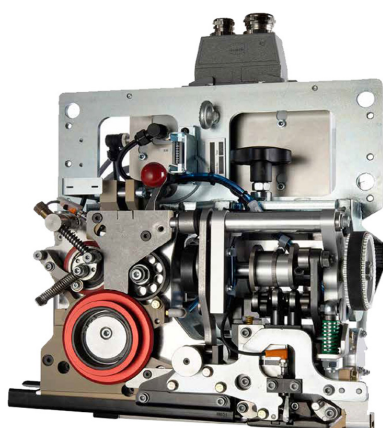
TSM-MHC (Light - Medium Duty Applications)

Chute Dimensions	
Pack Width	300 - 1,650mm
Pack Height	200 - 2,500mm
Strap Sizes	9 - 12.5mm
Strap Types	Polypropylene and Polyester
Strap Tension	80 - 900N
Strap Feed Speed	3 m/s
Controller	Siemens S7 - 1200 type
Operator Display	7" HMI TFT Screen
Electrical Connection	400 V 3 Ph 50 Hz
Electrical Consumption	3.0 kVA
Control Voltage	24 V DC
Machine Weight	750 kg



TSM 3000L / TSM 3000

Chute Dimensions	
Pack Width	300 - 1,650mm
Pack Height	200 - 2,500mm
Strap Sizes	9 - 16mm
Strap Types	Polypropylene and Polyester
Strap Tension	200 - 3,000N
Strap Feed Speed	6.7 m/s
Controller	Siemens S7 - 1200 type
Operator Display	7" HMI TFT Screen
Electrical Connection	400 V 3 Ph 50 Hz
Electrical Consumption	3.0 kVA
Control Voltage	24 V DC
Machine Weight	800 kg



Machine Options

- Low Strap Indicator
- Package Pre-Height Detection
- Electrical Indexing Machine*
- Variable Height Adjustable bayonet
- Jumbo Coil Strapping Dispenser*
- Conveyor and Turntable Options*
- Load Positioning & Conveyor Controls
- Machine Guarding Package
- Profibus DP / Profinet
- Solid Protected Bayonet*
- Electrical Load Compression*
- Automatic Top Edge-Protection Applicator

TSM 6500 (Heavy Duty High Tension Applications)

Chute Dimensions	
Pack Width	300 - 1,650mm
Pack Height	200 - 2,500mm
Strap Sizes	16 - 19mm
Strap Types	Polypropylene and Polyester
Strap Tension	500 - 6,500N
Strap Feed Speed	5.1 m/s
Controller	Siemens S7 - 1200 type
Operator Display	7" HMI TFT Screen
Electrical Connection	400 V 3 Ph 50 Hz
Electrical Consumption	3.0 kVA
Control Voltage	24 V DC
Machine Weight	800 kg

