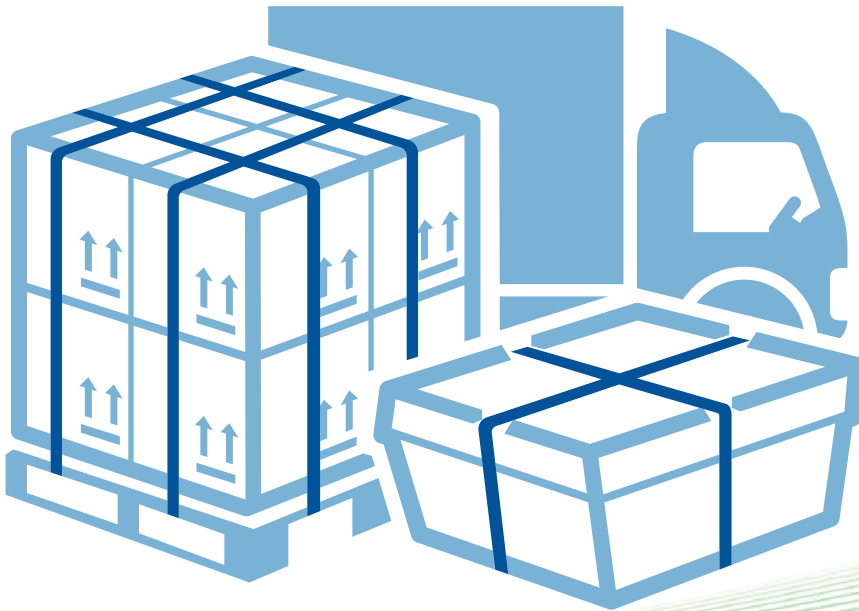


Intralogistics



Industry characteristics

In the intralogistics industry, deliveries of all different sizes are common. Products often need to be secured that do not correspond to regular size standards. The variety of dispatched and transported goods is immense and extends across almost all industries. Thanks to our versatile range of machines, we can find the ideal solution for every need. With the right model, we always leave you sufficient flexibility – no matter what products you want to strap and whether the job involves large pallets or small packages.

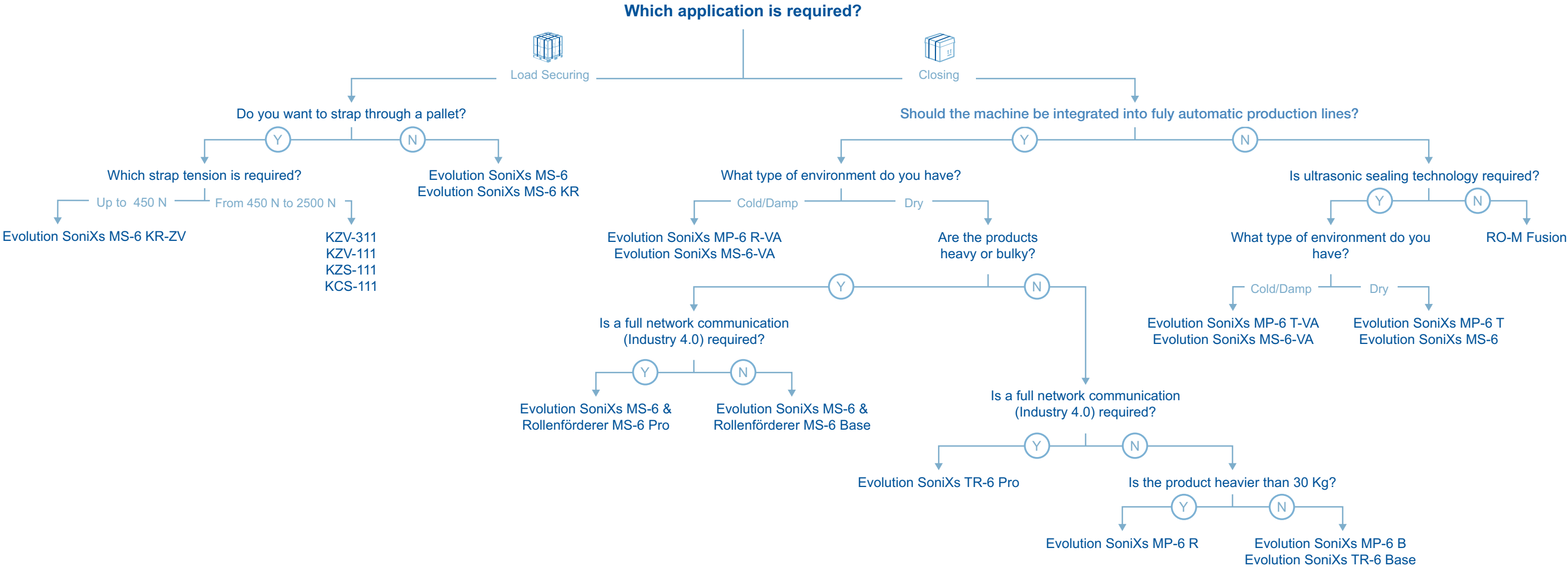
On the following pages you can get an idea of our range of machines for the intralogistics branch. We are happy to advise you personally to find the perfect solution for your application - gladly as a complete package including suitable strapping materials and versatile services.

Mosca – your system supplier in strapping matters

At Mosca we rely on the philosophy that the one-stop-principle brings about a lot of advantages for our customers. Through regular maintenance we ensure the longevity of our machines. In the content of our ONE Service concept we therefore offer maintenance contracts together with the machine sale. But ONE Service also stands for quality – worldwide with the same standards. Beside maintenance contracts we offer further services like repairs, installation and relocation or technical training.

As well as strapping machines and their maintenance the plastic strapping material made of polypropylene (PP) and polyester (PET) have a high value at Mosca. Since 2008 we have been producing them in one of the most modern fully automatic plants in Europe in Muckental.

Product Finder



Machine Overview



RO-M Fusion

- Automatic strapping machine
- Stepless turnable operator panel for many-sided operation
- Sturdy foot pedal for cycle release
- E-package: Automatic cycle release via light sensor
- Toggle switch for super soft strapping of very delicate packages
- Strap end detection with ejection of remaining strap



Automatic



heat-weld
Standard 3
sealing unit



600 x 500 mm
800 x 600 mm
1250 x 600 mm



Up to 55 cycles
per minute



Evolution SoniXs MP-6 T

- Automatic strapping machine
- Stepless turnable operator panel for many-sided operation
- Easy accessibility and tool-free disassembly of strap way components
- Strapping release via foot pedal or operator panel
- Toggle switch for super soft strapping of individual or very delicate packages
- Optional hold-down device for strap positioning by slight product compression



Automatic



SoniXs
Standard 6
sealing unit



Up to 1650 mm
width



Up to 58 cycles
per minute



Evolution SoniXs MP-6 R

- Fully automatic strapping machine
- Modular machine construction
- Stepless turnable operator panel for many-sided operation
- Easy accessibility and tool-free disassembly of strap way components
- Optional automatic strap tension adjustment by bundle height detection
- Easy integration into automated production lines
- Ideal for heavy products (> 30 kg)



Fully
automatic



SoniXs
Standard 6
sealing unit



600 x 600 mm
800 x 600 mm
1000 x 800 mm



Up to 35 cycles
per minute



Evolution SoniXs MP-6 B

- Fully automatic strapping machine
- Modular machine construction
- Stepless turnable operator panel for many-sided operation
- Easy accessibility and tool-free disassembly of strap way components
- Optional automatic strap tension adjustment by bundle height detection
- Easy integration into automated production lines



Fully
automatic



SoniXs
Standard 6
sealing unit



600 x 600 mm
800 x 600 mm
1000 x 800 mm



Up to 35 cycles
per minute

Machine Overview

Stainless steel machines from Mosca

Some applications demand reliable and high-performance packaging solutions in adverse environmental conditions. The strapping machines of the **VA**-series meet these requirements: their corrosion-resistant components are designed specifically for the cold and damp environment in the food industry.

With the automatic strapping machine Evolution SoniXs MP-6 **T**-VA as entry-level model and the types Evolution SoniXs MP-6 **R**-VA and Evolution SoniXs **MS**-6 VA as fully automatic solutions, these three stainless steel variants cover the entire range of the intralogistics industry claiming full corrosion resistance. This is ensured by the use of high

quality stainless steel and aluminum materials. The machines feature a sealed splash-proof control cabinet and operation panel where all cables are wired in sealed terminal boxes. The Evolution SoniXs MP-6 R-VA moves the product on a rugged roller conveyor with a ridged v-belt drive that eliminates belt tracking issues and allows an exact product positioning. Oversized casters make rolling on plant floors and drain openings easy. As an option, the Evolution SoniXs MP-6 R-VA's conveying direction can be reversed, providing maximum flexibility in operations that have lines with both right and left-handed equipment layouts. With its side seal design, the Evolution SoniXs MS-6-VA is able to prevent the sealing head from falling debris, water and ice which can affect strapping performance, making it a great choice for sea-food industries where dripping water can often be a concern.



Evolution SoniXs MP-6 R-VA

- Fully automatic stainless steel strapping machine
- Easy integration into automated production lines
- Machine completely corrosion resistant (use of stainless steel or corrosion-resistant materials, for example V2A, V4A aluminum)
- Sensitive components (e.g. motors) are equipped with additional covers



Fully automatic



SoniXs Standard 6 sealing unit



600 x 600 mm



Up to 35 cycles per minute



Corrosion resistant



Evolution SoniXs MP-6 T-VA

- Automatic stainless steel strapping machine
- Stepless turnable operator panel for many-sided operation
- Machine completely corrosion resistant (use of stainless steel or corrosion-resistant materials, for example V2A, V4A aluminum)
- Sensitive components (e.g. motors) are equipped with additional covers



Automatic



SoniXs Standard 6 sealing unit



600 x 600 mm



Up to 50 cycles per minute



Corrosion resistant



Evolution SoniXs MS-6-VA

- Automatic stainless steel side-seal strapping machine
- Equipped with conveying systems convertible into a fully automatic version
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Made entirely from corrosion resistant materials; built to IP56 Standards
- Full wash-down capability



Automatic



SoniXs Standard 6 side sealing unit



450 x 400 mm
550 x 500 mm
650 x 600 mm



Up to 52 cycles per minute



Corrosion resistant

Machine Overview



Evolution SoniXs MS-6

- Automatic side seal strapping machine optionally with roller conveyor MS-6 Base or Pro
- Equipped with Mosca conveying systems convertible into a fully automatic version
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Runs both with PP or PET straps
- Particularly suited for heavy products transported closely to the ground



Automatic



SoniXs
Standard 6 side
sealing unit



Up to 1650 mm
width



Up to 52 cycles
per minute



Evolution SoniXs MS-6 KR

- Automatic side seal strapping machine
- Equipped with conveying systems convertible into a fully automatic version
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Runs both with PP or PET straps
- Flap frame with magnetic locking



Automatic



SoniXs
Standard 6 side
sealing unit



Frame size gradation
in 200 mm steps



Up to 30 cycles
per minute



Evolution SoniXs MS-6 KR-ZV

- Automatic side-seal strapping machine with flap frame, strap lance and moveable sealing unit
- Equipped with conveying systems convertible into a fully automatic version
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Runs both with PP or PET straps
- With strap lance for pallet strapping



Automatic



SoniXs
Standard 6 side
sealing unit



Frame size
gradation
in 200 mm steps



Up to 6 cycles
per minute



Lance



Evolution SoniXs TR-6 Base & Pro

- Fully automatic strapping machine
- Available as Base or Pro model
- Potential-free contacts to up-stream and down-stream systems
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Optional package stop
- Extended signal exchange options



Fully
automatic



SoniXs
Standard 6
sealing unit



500 x 400 mm
500 x 600 mm
600 x 600 mm
800 x 800 mm
1000 x 1000 mm



Up to 45 cycles
per minute

Machine Overview



KCS-111

- Fully automatic pallet packing press
- Can be integrated into most production lines
- Centering device with integrated roller conveyor, laterally moveable
- Top-mounted sealing head
- Moveable strap lance for strapping palletized goods
- Compression device; pressing power of 3 tons



Fully automatic



SoniXs sealing unit



Frame width
1800 to 2800 mm;
200 mm steps



Up to 30 pallets
per hour;
4-fold strapped



Lance



KZS-111

- Fully automatic pallet strapping machine
- Can be integrated into most production lines
- Centering device with integrated roller conveyor, laterally moveable
- Top-mounted sealing head
- Moveable strap lance for strapping palletized goods



Fully automatic



SoniXs sealing unit



Frame width
1600 to 2000 mm;
200 mm steps



Up to 30 pallets
per hour;
4-fold strapped



Lance



KZV-111

- Fully automatic pallet strapping machine
- Can be integrated into most production lines
- Robust steel construction
- Fully electrically-driven
- With neutral-weight strap take-off and strap accumulator
- Top-mounted sealing head
- Movable strap lance for strapping palletized goods



Fully automatic



SoniXs sealing unit



Frame width
1400 to 3200 mm;
200 mm steps



Up to 61 pallets
per hour;
2-fold strapped



Lance



KZV-311

- Fully automatic pallet strapping machine
- Can be integrated into most production lines
- Adjustable strap tension
- Compact construction (unit principle)
- Movable strap lance for strapping palletized goods
- Moveable strapping head



Fully automatic



SoniXs sealing unit



Frame width
up to 2400 mm;
200 mm steps



Up to 30 pallets
per hour;
4-fold strapped



Lance

Icon Key

Icon Key



Mosca strapping machines for intralogistics and materials handling applications are equipped with different types of sealing units: The state-of-the-art Standard 6 sealer is available both with Mosca’s SoniXs ultrasonic system as well as with a temperature-controlled heat-sealing unit.



Mosca strapping machines are available in many different frame sizes. For detailed information about all individual specifications, please refer to our sales staff or the technical data sheets on our website www.mosca.com.



The BPM (Bundles per Minute) factor indicates the maximum amount of single or double strapped products per minute. It depends on several criteria such as frame size, conveying speed, strap width, product size or additional options.



Mosca strapping machines the VA-series are manufactured entirely of stainless steel and other corrosion-resistant materials. In addition, sensitive components (e.g. motors) are protected by covers granting high moisture resistance. All machines are built according to IP56 standard rating, signifying a high degree of protection against liquid intrusion. Therefore, our VA strapping machinery with SoniXs ultrasonic sealing is fully wash-down capable and thus ideal for usage in the seafood, poultry and meat industry.



After correct positioning of the pallet in the machine, the strap lance moves between the pallet feet, closes the strap guide frame and secures the goods by strapping on the pallet.

Level of Automation



The product is transported and strapped without any operator involvement by the strapping system’s integral conveyors and controls or in some cases by signal exchange with an external controller.



Requires an operator to feed the product into the strapping machine and to release the fully automatic strapping cycle via foot pedal, operator panel or light sensor.



The strap is layed manually around the product by an operator who releases the fully automatic strap-ping cycle via the operator panel.

References





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