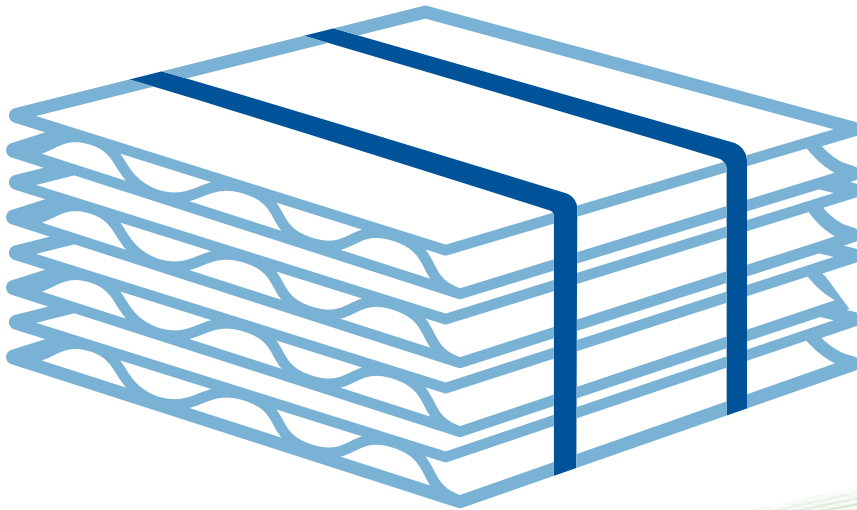


Corrugated Industry





Corrugated Industry

Industry characteristics

The corrugated industry plays special demands on strapping: The sensitive products must not be damaged by the packaging process but still have to be reliably bundled and secured for transport.

Therefore we treat the sensitive products with special care: Many of our machines allow the required strap tension to be individually set. An additional edge protection can also be used, as required. Our inline technology gently straps corrugated board “along the wave” and prevents the strapping from damaging the structure of the board.

On the following pages there is an overview of our range of machines for the Corrugated Industry. We offer a consultative approach to help you find the perfect solution for your application as a complete package, including suitable strapping materials and a flexible maintenance offering.

Mosca – your system supplier for strapping applications

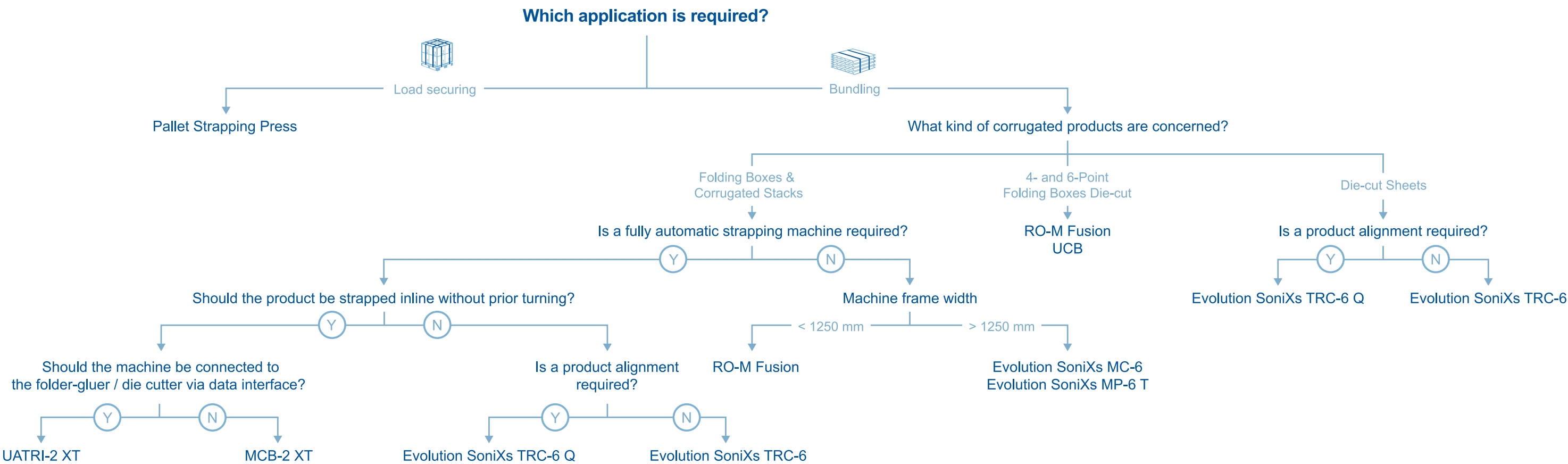
At Mosca we rely on the philosophy that the one-stop shop principle brings about a lot of advantages for our customers. We ensure the longevity of our machines through regular maintenance.

As part of our ONE Service concept we offer you a global service network that is unique in the industry. More than 100 Mosca service technicians and over 30 additional specialists employed by partners all over the world ensure that our strapping machines run perfectly at every location. A central system across countries incorporates information on machines and maintenance intervals. This means we can work closely with you to significantly extend the service life of your machines. It also enables preventive maintenance to avoid breakdowns by using data evaluation.

But ONE Service goes far beyond maintenance and repair. It includes installations, relocations, technical training, and technical expert meetings focusing on the potential to optimize your strapping machines. We always respond to your conceptions and individual requirements to develop the best possible strapping solution.

In addition to strapping machines and their maintenance, we attach high priority to the plastic strapping material made from Polypropylene (PP) and Polyester (PET). Since 2008 we have produced strap in one of the most modern fully automatic plants in Europe.

Product Finder



Machine Overview



RO-M Fusion

- Automatic strapping machine
- Fully rotating operator panel allows operation from every side
- 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
- Fully rotating operator panel allows operation from every side
- 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 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 MC-6

- Automatic strapping machine for corrugated cardboard
- Fully rotating operator panel allows operation from every side
- Easy accessibility and tool-free disassembly of strap way components
- Optimization of the strapping processes by machine adaptation to defined package dimensions
- Optional hold-down device for strap positioning by slight product compression

Automatic	SoniXs Standard-6 sealing unit	1000 x 600 mm 1650 x 600 mm 2200 x 600 mm 2500 x 600 mm 2600 x 600 mm	Up to 46 cycles per minute



Evolution SoniXs TRC-6

- Fully automatic strapping machine for corrugated cardboard
- Easy operation via digital display in the control panel
- Bundle positioning via increments by metrical input of the strapping positions
- Pneumatic hold-down device with manual prepositioning
- Optional pneumatic backstop with manual prepositioning
- Optional side plates for double-sided alignment (Q)

Fully automatic	SoniXs Standard 6 sealing unit	1250 x 600 mm	Up to 38 cycles per minute

Machine Overview

Complex corrugated strapping

In the range of fully automatic solutions for strapping complex corrugated board products we offer three types of machines. All meet the requirements of gentle, fast and yet secure strapping.

The UCB as a cross strapping machine is notably for the corrugated industry. The ex works CE-compliant machine is operated manually and straps complex 4- and 6-point folding boxes safely.

With the fully automatic inline strapping machine MCB-2 XT we adapt to the special needs of the corrugated industry: Thanks to innovative motor technology and a simplified user interface, the MCB-2 XT straps corrugated stacks particularly gently and efficiently.

The UATRI-2 XT as a high-end version offers additional data interfaces for a fully automatic setup. It also achieves a higher cycle rate per minute.



UCB

- Fully automatic corrugated cardboard strapping machine
- Fully automatic machine adaptation to package dimensions via adjustable recipes
- 5-sided electromechanical package alignment
- Continuously adjustable conveyor speed
- Laterally driven transport belts and driven top belts
- Electromechanical package stop and hold-down device
- Optional full network communication inclusive RMI



Fully automatic



SoniXs
Standard 6
sealing unit



1250 x 600 mm
1650 x 600 mm



Up to 32
single strap
per minute



MCB-2 XT

- Fully automatic in-line-strapping machine
- Automatic set-up system resets to the dimensions of the first bundle
- 5-sided electromechanical package alignment
- Electromechanical press
- Optional second sealing unit
- Potential-free interconnection with upstream and downstream equipment



Fully automatic



Heat-weld
sealing unit



Passage widths
1300 mm
1600 mm



Up to 27
cycles
per minute



Inline



UATRI-2 XT

- Fully automatic in-line strapping machine
- Automatic set-up system resets to the dimensions of the first bundle
- All-sided electromechanical package alignment
- Continuously adjustable conveyor speed
- Electromechanical press
- Optional second sealing unit
- Potential-free interconnection with upstream and downstream equipment



Fully automatic



SoniXs
Standard 6
sealing unit



Passage widths
1300 mm
1600 mm
2000 mm



Up to 30
single strap
per minute



Inline

Machine Overview

Load securing

Pallet strapping machines are used to secure corrugated stacks or bundles for transport. Depending on the application these pallet strapping machines are extended by special options and thus adapt the performance to the extensive requirements.



Pallet Strapping Press

- Fully automatic pallet packing press
- Can be integrated into most production lines
- Top-mounted sealing head
- Moveable strap lance for strapping palletized goods
- Closed lower strap guide for strapping non-palletized goods
- Compression device; pressing power of 3 tons



Fully automatic



SoniXs sealing unit



2600 to 3400 mm width



200 pallets per hour; (only with high speed package)



Lance



pressing power: 3 tons (up to 5 tons)

Options



Electrical edge protection top and bottom

The electrical edge protection positions corrugated board blanks precisely and quickly to protect sensitive loads such as corrugated board stacks or paper products from being cut by strapping.



High speed package

The combination of high-speed drive, faster strap feed, high-speed strap guide lance and SoniXs sealing unit enables a significant increase in the number of strapped pallets per hour.



Splicing unit

Thanks to the splicing unit with split dispenser, the operator no longer needs to entry a safety area when changing the strapping coil as the coil change takes place outside the safety area. The device is easy to use and saves both time and money: Thanks to the endless operation no strap wastes are produced.



Configurable strapping programs

Via display, users can configure up to 200 program locations and activate them as required. Parallel or crosswise strapping, lance or closed strap guide frame, edge protection yes/no or pressing power – these and other variables can be easily programmed and retrieved by the operator, for example when changing products.



Pressing power

Corrugated products are getting compressed before the strapping process. This way an optimum load securing is ensured and the loading volume is reduced. Optionally the pressing power can be increased up to 5 tons.



Lift rotary cross or turn table

The lift rotary cross or turn table enables the goods to be turned after the strapping process. Thus the goods can be strapped crosswise in only one machine.



Centering unit integrated or upstream

To ensure that the corrugated board stacks are correctly positioned inside the strapping machine, they are aligned either before being fed into the machine or directly in the machine by a centering unit.

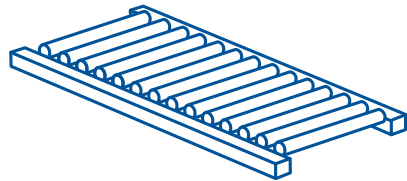
Your System Supplier

As a system supplier, our range extends far beyond our machine portfolio. We offer integrated solutions that precisely and reliably meet your needs. Whether you are looking for a system to secure loading or products, our project department will define your requirements and give you individual advice. As an end-of-line integrator, we assume complete responsibility for your end-of-line packaging and goods in transport securing processes. In specific terms, this means

we liaise with you and ensure optimum interface adaptation by controlling the process itself and integrating the necessary elements.

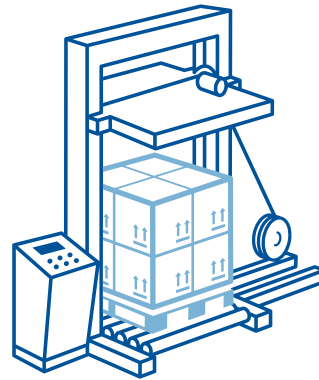
Depending on your requirements, we can deliver complete end-of-line systems or integrate individual machines into existing solutions.

Conveying technology



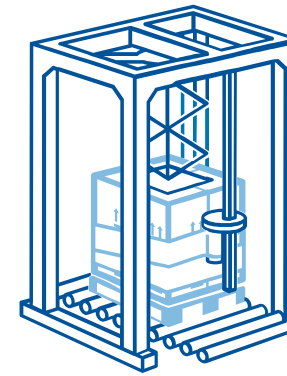
For system solutions with maximum availability, we supply our own conveying technology in combination with our strapping machines and systems. Further options such as turn table, lift rotary cross or centering unit also guarantee an optimal positioning of the product during the strapping process.

Strapping machine



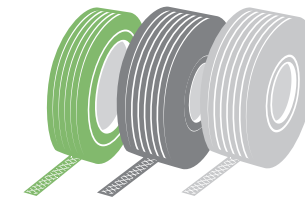
The range of our strapping machines extends from universal machines with a wide range of application fields up to fully automatic high-performance systems that can be integrated into every production line.

Wrapping machine



With a wrapper downstream the strapping, the sensitive corrugated board product is protected from external influences such as dirt or moisture during transport.

Strapping material



We offer you plastic strapping made from polypropylene (PP) and polyester (PET) in high quality.

Mosca strapping is available in various strap widths and thicknesses, so that packages are optimally secured, sealed or bundled. We also offer the rolls with different core diameters. This ensures that the strap also fits the machine and that the strapping process runs without any problems.

Icon Key

Icon Key



Mosca strapping machines for the corrugated industry 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. For bigger and heavier products we use our KSR sealing unit, the HL-sealing unit or the SoniXs sealing unit for pallet strapping applications.



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 number of single or double strapped products per minute. It depends on several criteria such as frame size, conveying speed, strap width, product size and additional options.



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.



Corrugated products are getting compressed before the strapping process. This way an optimum load securing is ensured and the loading volume is reduced. Optionally the pressing power can be increased up to 5 tons.



Inline strapping, i.e. strapping „along the wave“, prevents the corrugated products to be damaged by the strapping.

Level of Automation



The product is transported and strapped by the strapping system's integral conveyors and controls without any operator involvement, 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.

Proud to work with



besser Verpacken!



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