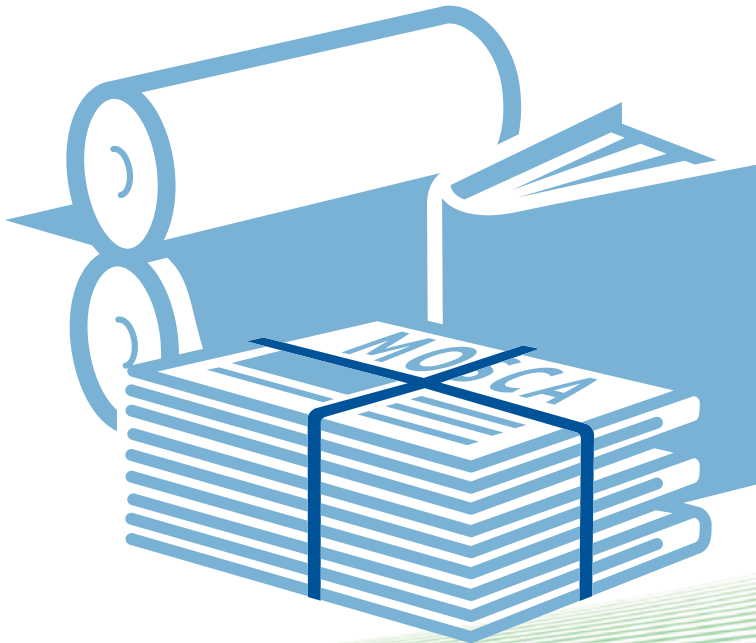


Newspaper & Graphics Industry



Newspaper & Graphics Industry



Industry characteristics

In the context of newspaper and other graphic products, printed products are strapped and thus bundled after production for better handling and shipping. However, the printed products must be pressed before strapping in order to prevent air from slowly escaping from the stacked products during transport and thus loosening the strapping. No problem for our machines; depending on the model, both steps are done fully automatically. If required, a compact machine combination can also apply cross strapping in a single operation without turning the product - quickly and with maximum process reliability. This is an enormous advantage, especially in industries with high throughput.

On the following pages there is an overview of our range of machines for the Newspapers & Graphics 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

Which application is required?



Load securing

Pallet Strapping Press



Bundling

Should the machine be integrated into a fully automatic production line?

Y

N

How should the strapping be attached on the product?

Transverse to
conveying direction

Crosswise

Is a full network communication
(Industry 4.0) required?

Y

N

Evolution SoniXs TR-6 Pro

Evolution SoniXs TR-6 Base

Is a full network communication
(Industry 4.0) required?

Y

N

Evolution SoniXs TAI-6 Pro

Evolution SoniXs TAI-6 Base

Is ultrasonic sealing technology required?

Y

N

Evolution SoniXs MP-6 T
Evolution SoniXs MS-6

RO-M Fusion

Machine Overview

Entry-level machines

When bundling newspapers as well as other graphic products, the RO-M Fusion as well as the Evolution SoniXs MP-6 T are the most suitable machines for manual processing. Both machines are easy to operate and offer advantages such as the foot pedal for cycle release.

The Evolution SoniXs MP-6 T uses the innovative SoniXs ultrasonic sealing unit to join the strap ends. Thanks to this technology, no fumes are produced during the strapping process, which prevents sensitive products from being affected.



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



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 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

Machine Overview



Evolution SoniXs TR-6 Base

- Fully automatic strapping machine
- 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
- Easy operation over digital display in the control panel



Fully automatic



SoniXs Standard 6 sealing unit



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



Up to 35 cycles per minute



Evolution SoniXs TR-6 Pro

- Fully automatic strapping machine
- 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
- Variably assignable signal exchange in infeed and outfeed
- Extended signal exchange options
- Intuitive user guidance via colored touch panel. Division into different user groups



Fully automatic



SoniXs Standard 6 sealing unit



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



Up to 45 cycles per minute



Evolution SoniXs TAI-6 Base

- Fully Automatic Cross Strapping System
- This strapping system consists of: Evolution SoniXs TR-6 Base und Evolution SoniXs TRI-6 Base
- Cross strapping without bundle turning
- Potential-free contacts to up-stream and down-stream systems
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Extended signal exchange options
- Easy operation over digital display in the control panel



Fully automatic



SoniXs Standard 6 sealing unit



Up to 30 cross strappings per minute



Inline



Evolution SoniXs TAI-6 Pro

- Fully Automatic Cross Strapping System
- This strapping system consists of: Evolution SoniXs TR-6 Pro und Evolution SoniXs TRI-6 Pro
- Cross strapping without bundle turning
- Potential-free contacts to up-stream and down-stream systems
- Optional double strap dispenser for increased uptime by fully automatic coil changes
- Extended signal exchange options
- Intuitive user guidance via colored touch panel. Division into different user groups



Fully automatic



SoniXs Standard 6 sealing unit



Up to 37 cross strappings per minute



Inline

Machine Overview

Load securing

Pallet strapping machines are used to secure paper 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 enter 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.

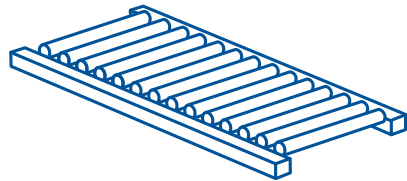
Your System Supplier

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.

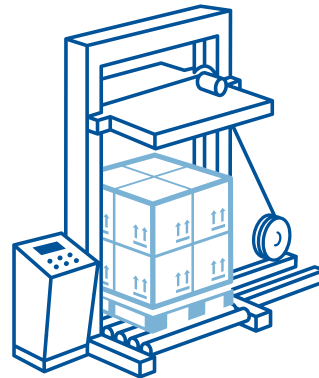
Depending on your requirements, we can deliver complete end-of-line systems or integrate individual machines into existing solutions.

Conveying technology



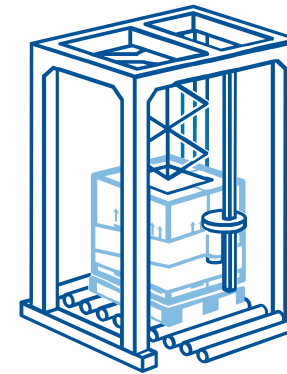
For application solutions with maximum availability, we supply our own conveying technology in combination with our strapping machines and systems. Additional options such as turn table, lift rotary cross or centering unit further guarantee an optimal positioning of the product during the strapping process.

Strapping machine



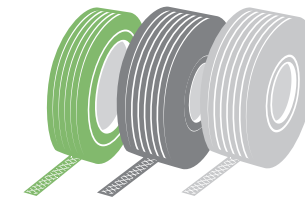
The portfolio of our strapping machines extends from universal machines with a wide range of application fields up to fully automatic high-performance systems that can be integrated into every production line.

Wrapping machine



With a wrapper subsequent to the strapping, the sensitive paper product is protected from external effects such as dirt or moisture during transport.

Strapping material



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

Mosca strapping material is sustainably produced and ecologically compatible. It is available in various widths and thicknesses, spooled on coils with different core diameters. This ensures the strapping perfectly fitting our machines and smooth running of the strapping processes.

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.



Paper 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





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