



MOSCA[®] 
STRAPPING SYSTEMS

*The new RO-M Fusion –
Quality makes the difference*

RO-M Fusion

Modern technology
based on experience



One machine – many advantages

The automatic strapping machines of the RO-M series have been standing the test of time across the world. They are solid, reliable and easy to operate. In the latest generation RO-M Fusion, modern technology meets tradition. The tried and tested high-end Standard 3 sealing unit sets new standards for automatic strapping machines at entry level.

The compact machines are ideal for strapping smaller parcels and stacks. Their small footprint means they can be used in the smallest of spaces. If needed, the RO-M Fusion can be fed simultaneously at the front and rear thanks to its pivoted operation panel and its high output of 55 strapping cycles per minute. This avoids idle times for operators.

The RO-M Fusion offers

- higher strapping speeds
 - higher strap tension if needed
 - greater choice of strap widths
 - more options
 - super soft strapping
- all at an attractive price.

The RO-M Fusion is ideal for a wide range of applications including

- **Printing:** for wholesalers who need to strap different products reliably within short time frames
- **Cardboard packages:** for quick strapping of many packages within short time frames
- **Distribution/Mail:** at distribution centres where high-quality work within minutes is in high demand



RELIABLE

The new RO-M Fusion offers more

What are the differences?

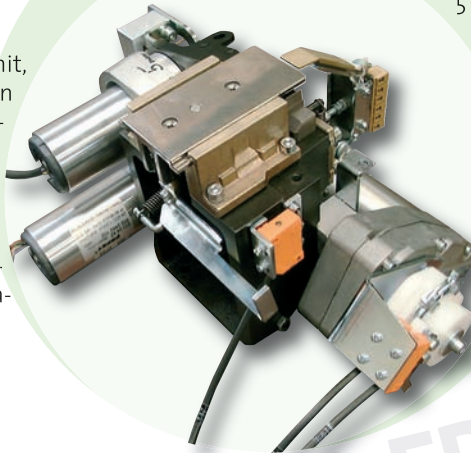
The tried and tested Standard 3 sealing unit is at the heart of the new RO-M Fusion. It is a sealing unit which to date has only been used in high-end machines. For the RO-M Fusion it means increased strapping speed, higher strap tension if needed and a greater choice of available strap widths, all at an attractive price.

Standard 3 sealing unit

In the standard 3 sealing unit, the central drive has been replaced by multiple decentralized DC motors. Key functions including strap tension and feed or strap return can be adjusted to meet user requirements and optimized for the specific application.

The direct drive for these functions completely eliminates the need for wearing parts, including toothed belts, clutches and chains. This is noticeable for the user in terms of outstanding machine availability and maintenance-friendly operation.

Depending on the size of the product, the RO-M Fusion achieves a rate of up to 55 strappings per minute with a 5 mm strap width. The strap width is available in various sizes which offers the customer a greater choice of machines. The strap tension can be adjusted as needed via a potentiometer.



MAINTENANCE-FRIENDLY

The RO-M Fusion in pictures

Operating the automatic strapping machine RO-M Fusion is easy and convenient.



1. Place the package on the strapping platform.
2. Trigger the strapping process via the foot pedal.
3. The machine straps the package.
4. When the strapping cycle is complete, the package can be taken off the strapping platform and the machine is ready for the next package.

Option: E-packet

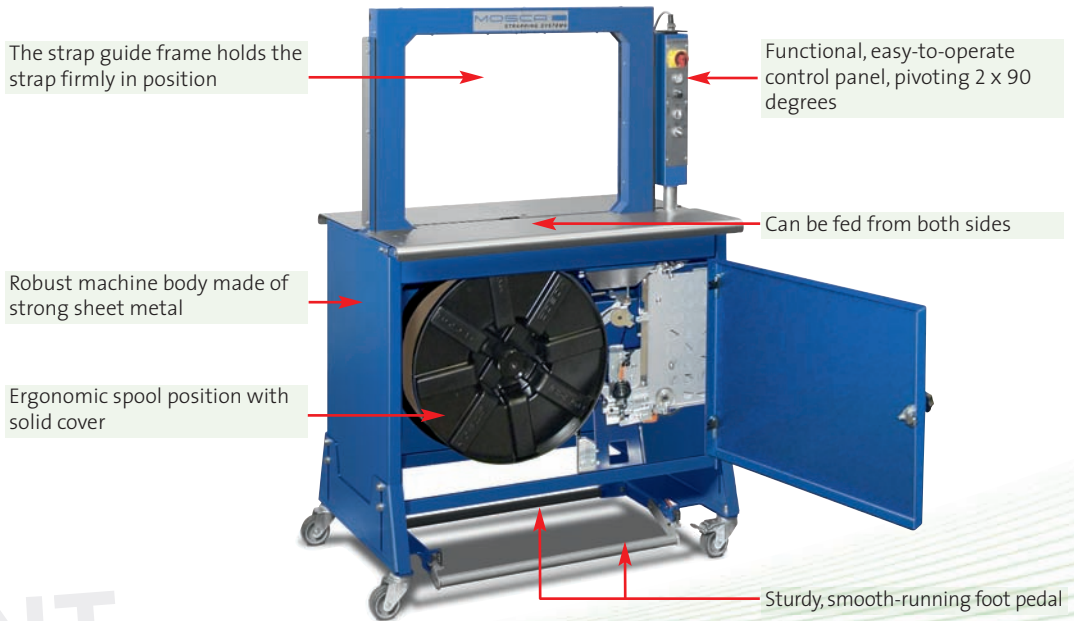
The RO-M Fusion can be equipped with an E-Packet on request. This electric packet contains a light sensor with a selector switch for an automatic strapping solution. Via a three-stage light barrier, individual or continued strapping and strap tension adjustment are available as needed.

EASY AND CONVEN

The RO-M Fusion is as functional and solid as its predecessors.

Similar to earlier models, the RO-M Fusion is suitable for packages up to 800 mm wide and 600 mm high. Alternatively, a machine size offering 500 mm width and 600 mm height is available.

A feed-in system simplifies changing strap reels, which is uncomplicated thanks to the ergonomic spool position.



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RO-M series – tried and tested quality for decades

Gerd Mosca AG has produced strapping machines for more than 40 years and has long been established as the technology leader in its field.

Mosca introduced the first RO-M at the high-quality segment of the strapping market in the 1970s. The series has always been characterized by its sturdy construction, reliability and easy operation.

Outwardly, an RO-M from the early years differs only slightly from a modern device. For the external construction, strong sheet metal in gentian blue has now replaced the former heavy steel tubes. After Mosca changed over to sheet metal fabrication in 1999, these constructions now replace machine bodies formerly built by hand from semi-finished products. This makes Mosca less dependent on suppliers. Sheet metal components are manufactured on demand at the factory, which saves time and reduces delivery times.

The details of the technology inside, however, have since been significantly improved. A unit controlling strap tension and strap sealing is at the heart of every Mosca machine. The brushless DC drives of the Standard-3 aggregate eliminate the need for wearing parts, including clutches and chains. This makes the RO-M Fusion affordable, less vulnerable and wear-free. The era of microelectronics has made the interior of the machines more compact, allowing extra room for special assembly units. Individual components have become more accessible, which pays dividends when it comes to maintenance and repair.

SUSTAINABI

Service – all part of the Mosca package

Mosca's commitment to sustainability is evident in product quality as well as in long-term customer care. Mosca's involvement does not end when the machine is set-up. A global network of installation engineers guarantees worldwide service available to Mosca customers at any time. Mosca also fosters close contact with customers to jointly develop ideas and products. In this way, Mosca is able to maintain its standards and provide the best solutions. Should spare parts ever be required, the professionals in Waldbrunn will quickly, smoothly and reliably supply them.

Would you like to find out more about operating Mosca machines?

Experienced instructors provide systematic introductions to the various types of machinery at your site or in the Mosca training center, based on your training requirements. Proper machine operation can increase operational productivity.

Maschinenfabrik Gerd Mosca AG specializes in modern strapping systems, from universal units with a wide range of applications, to fully automated high-performance machines that can be integrated into

any upstream automation line. Based in Waldbrunn, between Heidelberg and Heilbronn, the Mosca family enterprise was established in 1966 and has evolved to become one of the world market leaders in the strapping sector. The company has a workforce of 800 employees at 11 plant sites worldwide.

For further details: www.mosca.com



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Strapping machine RO-M Fusion – the latest generation

Standard Features

- Thermostatically controlled heat-weld sealing
- Wear-free DC drive, brushless motor technology
- Strap end detection with ejection of remaining strap
- Easy strap coil change and threading system
- Toggle switch for super soft strapping of individual or very soft packages
- Wear-free, controlled strap track system
- Adjustable strap tension via potentiometer
- Energy-saving drives
- Electronic control
- Hinged front table top
- Sturdy foot pedal for cycle start
- 4 castors of which 2 are lockable
- Structural coating in RAL 5010, gentian blue
- Table top length 813 mm (600 mm available on request)

Option: E-pocket

TECHNICAL DATA

Strapping capacity:

With 5 mm straps up to 55 cycles per minute

Frame size:

800 mm x 600 mm
600 mm x 500 mm

Straps:

Standard machine
grade 5, 8 or 12 mm
PP straps

Strap coil dispenser:

Core diameter: 200 mm
Core width: 190 mm

Electricity:

Voltage: 230 V, 50/60 Hz, 1 PH
Power consumption: approx. 0.5 KVA

Sealing unit:

Standard-3 aggregate

05 / 11 subject to modification



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