

MOSCA[®]

STRAPPING SYSTEMS

FULLY AUTOMATIC IN-LINE-STRAPPING MACHINE



MCB-2^{XT}

SIMPLE, ECONOMICAL, INTUITIVE

THE SIMPLICITY FOR IN-LINE-STRAPPING

MCB-2^{XT}

The new Mosca MCB-2^{XT} strapping system is the latest generation of corrugated bundle strappers with integrated squaring device. The fully automatic in-line strapping machine features fast, automated setup and job changes, giving extremely high process reliability. The smooth bundle control is achieved by using the latest in brushless DC technology for the ultimate in strap sealer reliability and low maintenance. Throughput capability is up to 27 bundles per minute whilst at the same time a smooth bundle transport is guaranteed.

SYSTEM FEATURES

- PLC control Siemens Type S7 with touch panel Siemens MP277
- Integrated squaring and strapping functions
- Automated setup system resets to the dimensions of the first bundle of the new size, at the push of a button or signal from the upstream equipment.
- Control of five sides of the bundle provides perfectly squared, uniform bundles
- Electrically driven, variable frequency controlled squaring and top/back conveyors provide smooth bundle transport.
- Capability to strap up to 120 mm outside the bundle centre (adjustment in steps of 10 or 30mm) allows for perfect strapping of complex bundles sizes and forms.
- Electromechanical press
- Strapping in the direction of bundle travel, typically in-line with flutes

STRAPPING TECHNOLOGY

- A pusher drives the bundle through pre-draped strap, placing strap on three sides. Needle pulls strap past the fourth side, completing the loop and activating the heat seal.
- Electromechanical strap tension
- Sealing head, Needle, side pusher and off-centre alignment in brushless DC technology.
- Thermocouple controlled heat sealing system

OPTIONS

- Second strapping unit with needle (both sealing units are moveable)
- Powered discharge
- Extended exit rollers
- Powered adjustment of machine centreline: this allows the MCB-2^{XT} to be perfectly integrated into your conveying systems.
- Trouble light and low strap indicator
- Upstream pacer conveyor: an in-liner that is perfectly adjusted to the MCB-2^{XT} guarantees maximum efficiency for your job changing.
- Special color
- Conveyor height > 1040 mm

TECHNICAL DATA

CAPACITY:

up to 27 bundles per minute

STRAPPING:

Machine grade 5 and 9 mm Polypropylene strap

COIL DIMENSION:

Core diameter: 200 mm

Coil width: 380 mm

ELECTRICAL POWER:

Voltage: 400 V (415, 440),
50/60 Hz, 3 PH
16 A CEE-plug

Consumption: approx. 4 kVA

CONVEYOR HEIGHT: 820 -1040 mm

COLOR:

Frame: RAL 5010 gentian blue

Panels and guards: RAL 7035 grey

WEIGHT:

1700 kg (nominal width 1600 mm without options)

SIZES:

For single strapping

	Length (mm)	Width (mm)	Height (mm)
Min. number of packages	240 ¹⁾	170	40
Max. number of packages	1300 ²⁾	1600	350

For double strapping

Min. number of packages	240 ¹⁾	330	40
Max. number of packages	1300 ²⁾	1600	350

¹⁾ Lengths ranging from 170 – 240 mm, only with the option of discharging short packages

²⁾ Lengths above 1300 mm, only with a pusher (double pusher standard)

MCB-2^{XT}

TECHNICAL DRAWING MCB-2^{XT}

(Dimensions in mm)

Working width 1600

A	2908
B	2543
C	2328
D	1793
E ¹⁾	279
F ²⁾	160
G ³⁾	25
H ⁴⁾	820 - 1040
I ⁵⁾	1974 - 2194

¹⁾ Minimum clearance of graver from outer edge to outer edge (only where there are two units)

²⁾ External pusher clearance

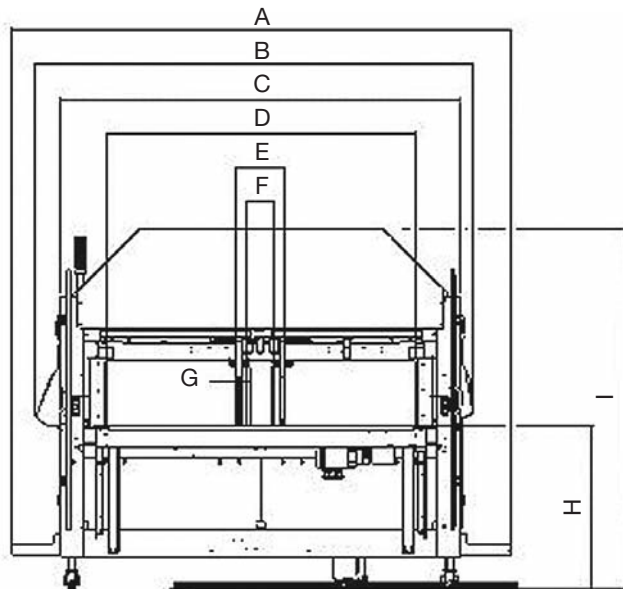
³⁾ Graver width

⁴⁾ Standard delivery height (without additional substructures)

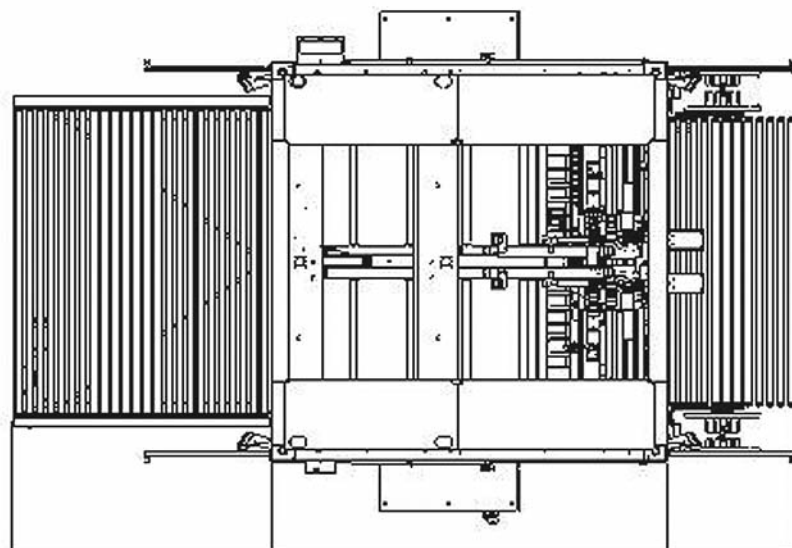
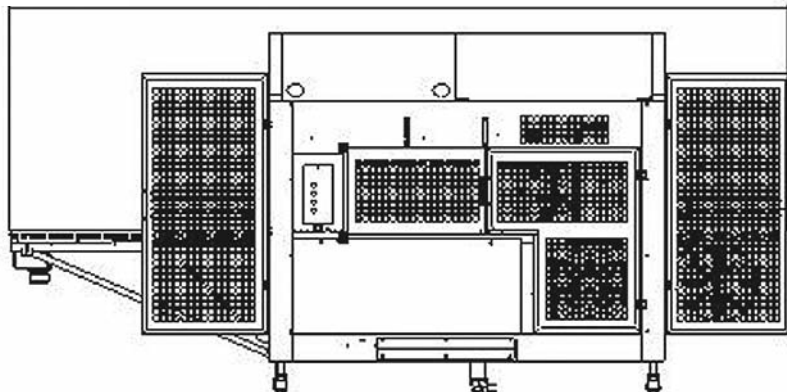
Working height Working height Spindle length Substructure
adjustment range

Standard	820 - 1040	360	---
Option	1000 - 1200	600	---
	1100 - 1350	360	Klein
	1330 - 1480	600	Klein
	1330 - 1710	600	Groß

⁵⁾ Standard height (without additional substructures)



4532



1511

2298


743

RO-TRC-5

Fully-Automatic Corrugated Cardboard Strapping Machine

- Centre seal machine with integrated conveyor
- Fully automatic strap threading
- Pneumatic double press
- Improved accessibility

Optional:

- Electrical alignment device and lateral back stop
- Also available with  sealing head

Frame sizes: 1250 x 550 mm,
1650 x 550 mm, 2000 x 550 mm, 2200 x 550 mm



RO-ATRS-K

Fully-Automatic Strapping Machine for Strapping of 4- and 6-Corner Boxes as well as Crash-Lock Bottom Boxes

- Pneumatic press, side pusher, package back stops
- Fully-automatic strap threading system
- Wear-free DC drive brushless motor technology
- Pressure wheels bar
- Infinitely adjustable conveying speed
- PLC control Siemens

Passage widths:

750 mm / 900 mm /
1300 mm / 1650 mm



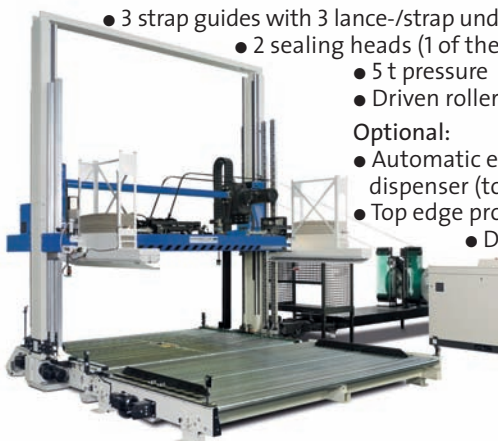
KPK-131-32

Fully-Automatic Pallet Packing Press to Secure Pallet Loads

- 3 strap guides with 3 lance-/strap underfeed change-over
- 2 sealing heads (1 of them side-moveable)
- 5 t pressure
- Lifting turn cross
- Driven roller conveyor

Optional:

- Automatic edge protection dispenser (top and bottom)
- Top edge protection printer
- Data interface
- Strap welding device
- Also available with  sealing head



UATRI-2^{XT}

Fully-Automatic In-Line Strapping Machine with Aligning Station

- Automatic format set-up-/data transfer
- Very economical – no pneumatics
- 100% package squaring (6-sided bundle control)
- Strap welding device

Passage widths:

1300 mm
1600 mm
2000 mm



POLYESTERBAND / POLYPROPYLENBAND

- Polyester strap: width from 9,5 mm – 15,0 mm
- Polypropylene strap: width from 5,0 mm – 15,0 mm



03 / 13 Änderungen vorbehalten

Gerd-Mosca-Straße 1
D-69429 Waldbrunn/Strümpfelbrunn
Tel.: +49 (0)6274/932-0
Fax: +49 (0)6274/932-400 118
Tel. After Sales: +49 (0)6274 / 932-100
Internet: <http://www.mosca-ag.com>
E-Mail: info@mosca-ag.com

MASCHINENFABRIK GERD MOSCA AG



MOSCA AG stands for a worldwide, professional consulting, highest machine quality, optimal strapping material and a global, integrated service concept.