ORGAPACK

OR-M 550 / 555

TECHNICAL DATA SHEET

Fully automatic strapping machine

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TECHNICAL DATA

Heat weld sealing			
Preheating time	30 s		
Electrical supply	Single phase AC 230 V / 50 Hz, 1PNE and 115 V / 60 Hz, 1PNE Tolerance -15%/+20% Mains fuse 10 AT		
Performance	at 225VAC		
	Modus Sleep	Modus Stand-by	Modus Oper. Max.
Watt	50 W	70 W	607 W
Volt Ampere	53 VA	78 VA	622 VA
Reactive Power	19 VAR	33 VAR	193 VAR
Power Factor	PF 0,61	PF 0,82	PF 0,98
COS Phi	0,94	0,91	0,99
Ampere	0,28 A	0,38 A	3,0 A
Room temperature	10 - 40°C		
Relative humidity	10 - 65%		
Cycles per minute up to* (without conveyor)	70/min.		
Working heights	see layout on page 4		
Conveyor	driven conveyor belt		
Conveyor speed, stepless	5 - 45 m/min		
Machine weight	300 kg		
Color	Blue 1M4762		
IP- Protection level	without IP protection		
Packages			
Width x height min. Width / height max., Arch dimension Length min. Weight max.	100 x 50 mm ./. 50 mm 200 mm 35 kg		
Plastic Strap (PP)			
Strap width	5 mm 9 mm 12 mm		
Strap thickness	0,40 - 0,60 mm		
Strap coil, Ø inside/outside	200 mm / 430 mm		
Strap tension 5 mm 9 - 12 mm	300 N 450 N		

The polypropylene straps used for the respective applications must correspond with the strap specifications recommended!

*Performance: Depends on arch and package dimensions, conveyor speed, package distances and strap tension.

STANDARD EQUIPMENT

- Adjustable conveyor height
- Fold-out belt conveyor system
- Four swivel castors with breakes
- Closed strap arch system
- Heat seal
- Automatic strap feeder
- Automatic strap end ejection
- Strap loop ejection for cycles without product
- Cycle counter
- Electronic control system with micro-processor + Siemens S7-1200 PLC, free memory capacity for peripheral modules
- Emergency off
- Dispenser position: Side mounted
- Electrical power cable, 5 m
- Basic photocell for detecting and positioning the package
- Operation / indication
  - Control panel, mounted on dispenser side
  - Graphic display for program selection and
  - strap spacings
  - Error message display
- Interface
  - 24 pin Harting connector
  - Output signals (potential free)
  - Ready signal to feed conveyor
  - General fault signal
  - Input signal (potential free)
  - Ready signal from follow-on conveyor

ARCH DIMENSION

Machines	Strap width	Arch dimension Width x Height	Strap tension
OR-M 550 / 555	5 mm	650 x 500 mm	300 N
	5 mm	850 x 650 mm	300 N
	9 / 12 mm	650 x 500 mm	450 N
	9 / 12 mm	850 x 650 mm	450 N
	9 / 12 mm	850 x 850 mm	450 N

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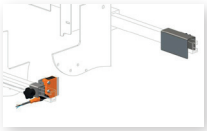
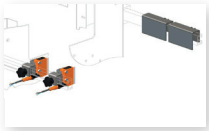
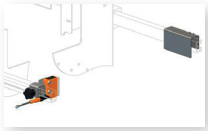
OPTIONS



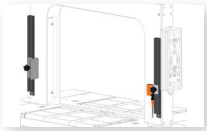
Strapping middle of packet
Independent of their position, the packets are strapped 1x automatically in the middle



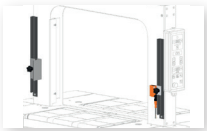
Mixed operation
Independent of their length (x), the packets are strapped 1x automatically in the middle (< x), or several times (>x).



First strapping position
Fixed parallel strapping The edge distance for the strapping position is set by moving the photocells in front of and behind the strap line.

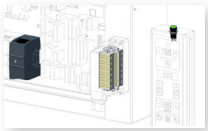


2nd strap tension
If the packet exceeds or does not meet the pre-set light barrier height, a second, pre-set strap tension will be applied



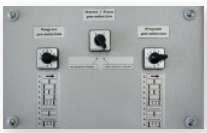
Strapping Yes / No
If the packet exceeds or does not meet the pre-set light barrier height, the strapping is automatically suppressed.

Conveyor stop
When packets are no longer being fed into the machine, the conveyor switches off automatically after 10 seconds until a new packet runs in



External program selection
External selection of the different strapping programs via BCD-Code (S7-1200) generated by the customer

Interface plug
Freely assignable adapter connector (10-pin Harting connector), for connecting the machine interface and the existing installation

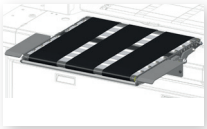


Tandem control box
Permits a controlled program sequence of 2 successively positioned automatic strapping machines
Failure redundancy
For an increased productivity

Packet stop
For aligning packets for the first strapping position. Fixed distance to the strap line via spacer. Distance to strap line is defined via spacers

Hold-down device H500
Pneumatic hold-down device For holding or compressing packages and loose bundles

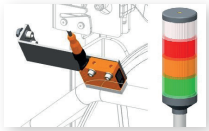
Signal lamp 3 colors
Visual information of the different machine states



Conveyor extension 245 mm
The belt conveyor system can be extended by 125/245 mm each on the infeed and outfeed sides

Conveyor unit 2-fold belt conveyor
For conveying of difficult and uneven products

Conveyor unit 4-fold belt conveyor
For conveying of difficult and uneven products



Strap end pre-warning
When the roll diameter falls below the pre-set value, the white signal lamp is activated. A roll change can be prepared in due time to avoid longer machine downtimes

Fixable feet, stainless steel
The machine can be securely supported in the floor via the adjustable feet

Working height
Working heights outside the standard range

Flex programm
Depending on their length, the packages are strapped in the middle, in parallel, three times or multiple times. The strap position is automatically placed symmetrically.

2nd Emergency Stop
Additional external Emergency Stop switch. Connection via interface.

High strap tension 600 N
For strap tension up to 600 N

Special colour
Only RAL colours

Signals:

Conveying in and out
Signal via interface for cycling the upstream or downstream conveyor systems

Machine to automatic
Signal via interface if the machine is operated in automatic strapping mode

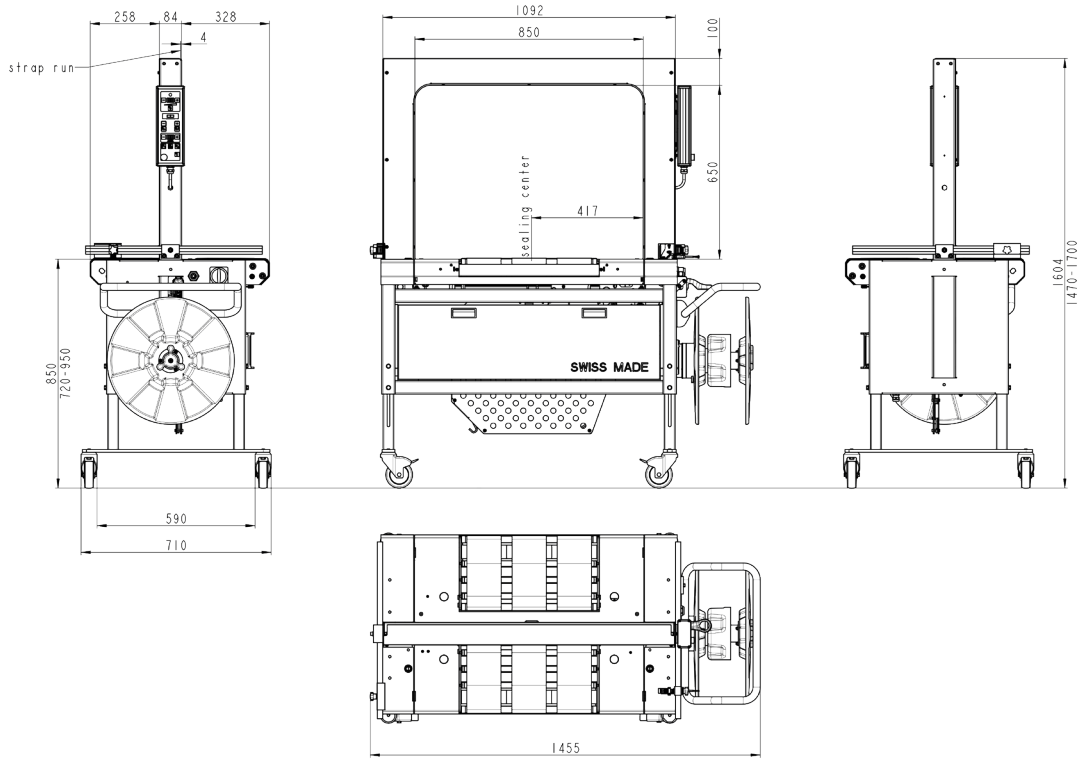
Cycle counter
Signal via interface for counting the strapping cycles

Strap end
Signal via interface: Strap dispenser empty

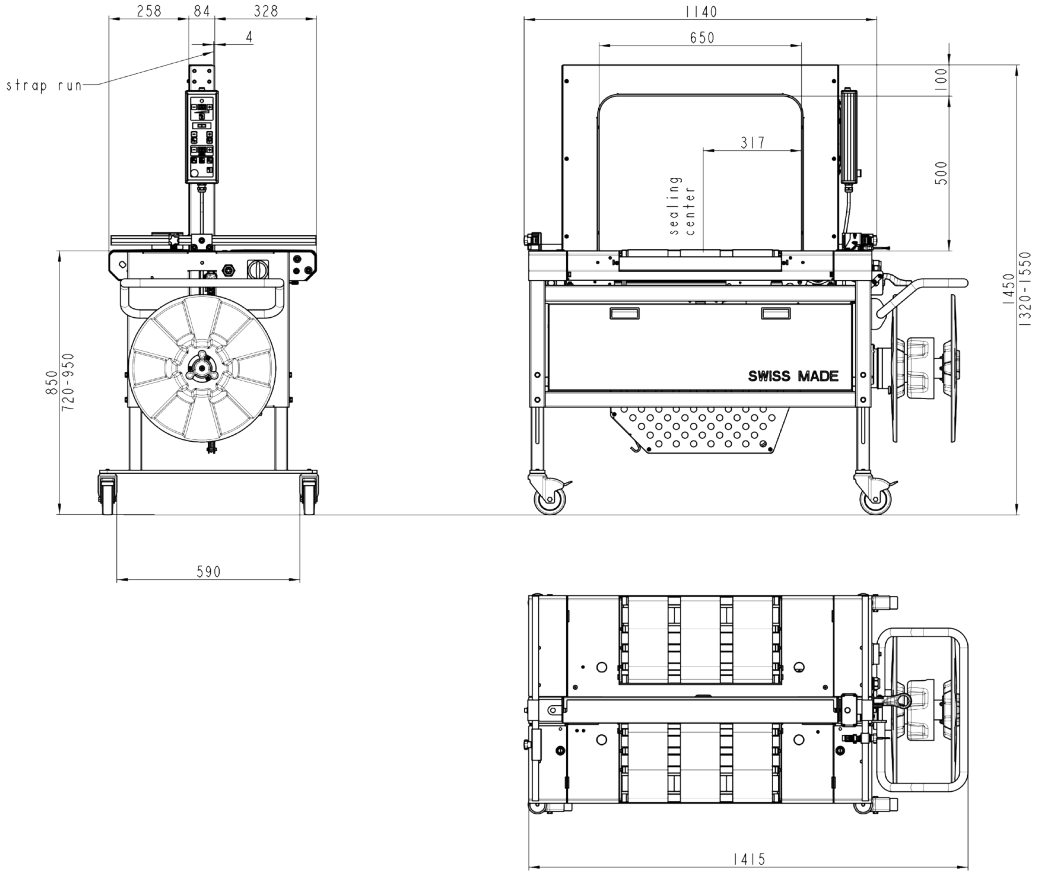
Strap end pre-warning
Signal via interface if the diameter of the strap dispenser falls below the pre-set value

LAYOUT

OR-M 550/555 (850 x 650 mm)



OR-M 550/555 (650 x 500 mm)



08.2020