

OR-M 575i / 575is

TECHNICAL DATA SHEET

Fully automatic strapping machine



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	5 - 40°C		
Relative humidity	10 - 85%		
Cycles per minute up to* (without conveyor)	70/min.		
Working heights	see layout on page 4		
Conveyor	driven conveyor belt		
Conveyor speed, stepless	5m - 45m		
Machine weight	280 kg		
Quality	stainless steel		
IP- Protection level	IP 56 / DIN 60529 + IPX9K / ISO 20653		
Packages	Standard	S-Type	
Width x height min.	150 x 100 mm	150 x 60 mm	
Width / height max., Arch dimension	550 x 495 mm	550 x 495 mm	
Length min.	250 mm	250 mm	
Weight max.	35 kg	35 kg	
Plastic Strap (PP)	Standard	S-Type	
Strap width 9 mm	372.609.545	323.109.540	
12 mm	372.612.533	323.112.534	
Strap thickness	0,40 - 0,60 mm	0,40 - 0,60 mm	
Strap coil, Ø inside/outside	200 mm / 430 mm	200 mm / 430 mm	
Strap tension manual operation, up to	450 N	450 N	
Strap tension, automatic mode, up to	600 N	600 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.

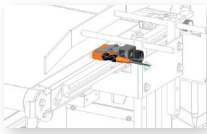
STANDARD EQUIPMENT

- Adjustable seal height
- Height-adjustable belt conveyor system
- Four castors with brakes
- Closed strap arch system
- Heat seal
- Automatic strap threading
- Automatic strap end ejection
- Strap loop ejection for cycles without product (not S-Type)
- Small pressure plate (S-Type)
- Cycle counter
- Electronic control system with micro-processor + Siemens S7-1200 PLC, free memory capacity for peripheral modules
- Emergency off
- Dispenser, fitted on top side of machine
- Protection hood for dispenser
- Electrical supply cable, 5 m
- Basic photocell for detecting and positioning the packages
- Operation / Indication
 - Touch Panel
 - Graphic display for program selection and strap spacing
 - 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

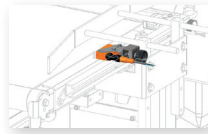
ARCH DIMENSION

Machines	Strap width	Arch dimension Width x Height	Strap tension
OR-M 575i	9 / 12 mm	650 x 500 mm	450 N
OR-M 575is	9 / 12 mm	650 x 600 mm	450 N

OPTIONS



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



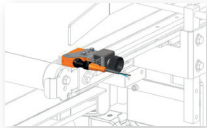
■ **First strapping position**
Fixed parallel strapping The edge distance for the strapping position is set by moving the photocells in front of and behind the strap line.



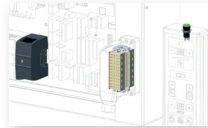
■ **2nd strap tension**
If the packet exceeds or does not meet the pre-set light barrier height, a second, pre-set strap tension will be applied



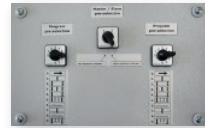
■ **Strapping Yes / No**
If the packet exceeds or does not meet the pre-set light barrier height, the strapping is automatically suppressed.



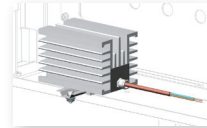
■ **Conveyor stop**
When packets are no longer being fed into the machine, the conveyor switches off automatically after 10 seconds until a new packet runs in



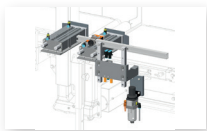
■ **External program selection**
External selection of the different strapping programs via BCD-Code (S7-1200) generated by the customer



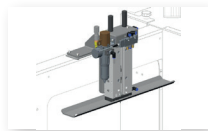
■ **Tandem control box**
Permits a controlled program sequence of 2 successively positioned automatic strapping machines
Failure redundancy
For an increased productivity



■ **Machine heating**
Machine heating with IP protection for cold room surroundings with high air humidity



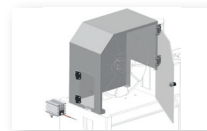
■ **Side pusher**
Pneumatic hold-down device
For holding or compressing packages and loose bundles during the strapping cycle
1 piston rod cylinder in the middle, stroke / passage height 320 mm



■ **Hold-down device**
Pneumatic hold-down device
For holding or compressing packages and loose bundles
1 compact cylinder with integrated guide, stroke 200 mm



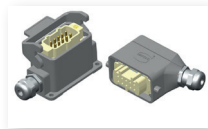
■ **Double dispenser**
2nd dispenser mounted on the rear of the machine for maximum efficiency



■ **Guard cover „Vessel“**
Protected dispenser for demanding surroundings
Cover hood closed on all sides with access doors
Machine heating in the strap magazine room



■ **Signal lamp 3 colors**
Visual information about a signal lamp of the different machine states



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



■ **Sealing height 950 - 1250, side head machine**
Sealing height outside the standard range

■ **2nd Emergency Stop**

Additional external Emergency Stop switch. Connection via interface.

■ **Fixable feet, stainless steel**

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

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

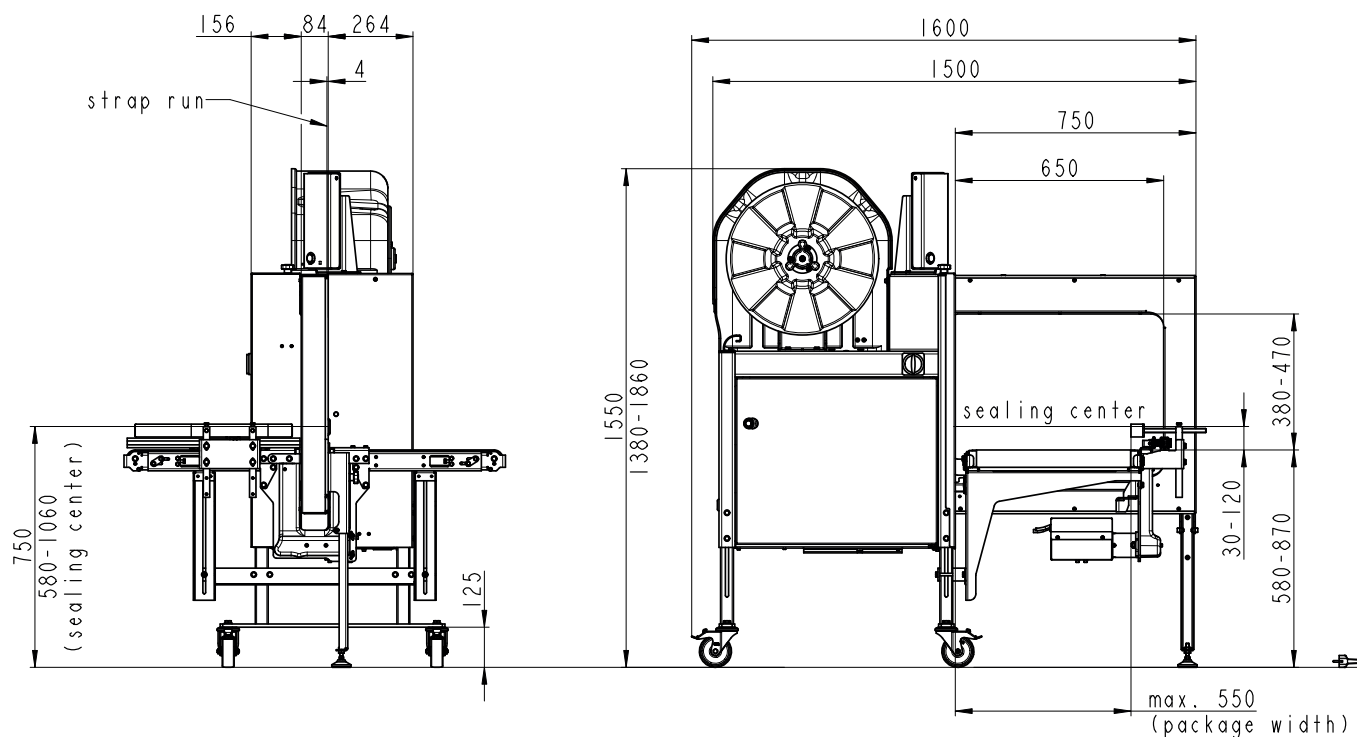
■ **Cycle counter**
Signal via interface for counting the strapping cycles

■ **Strap end**
Signal via interface:
Strap dispenser empty

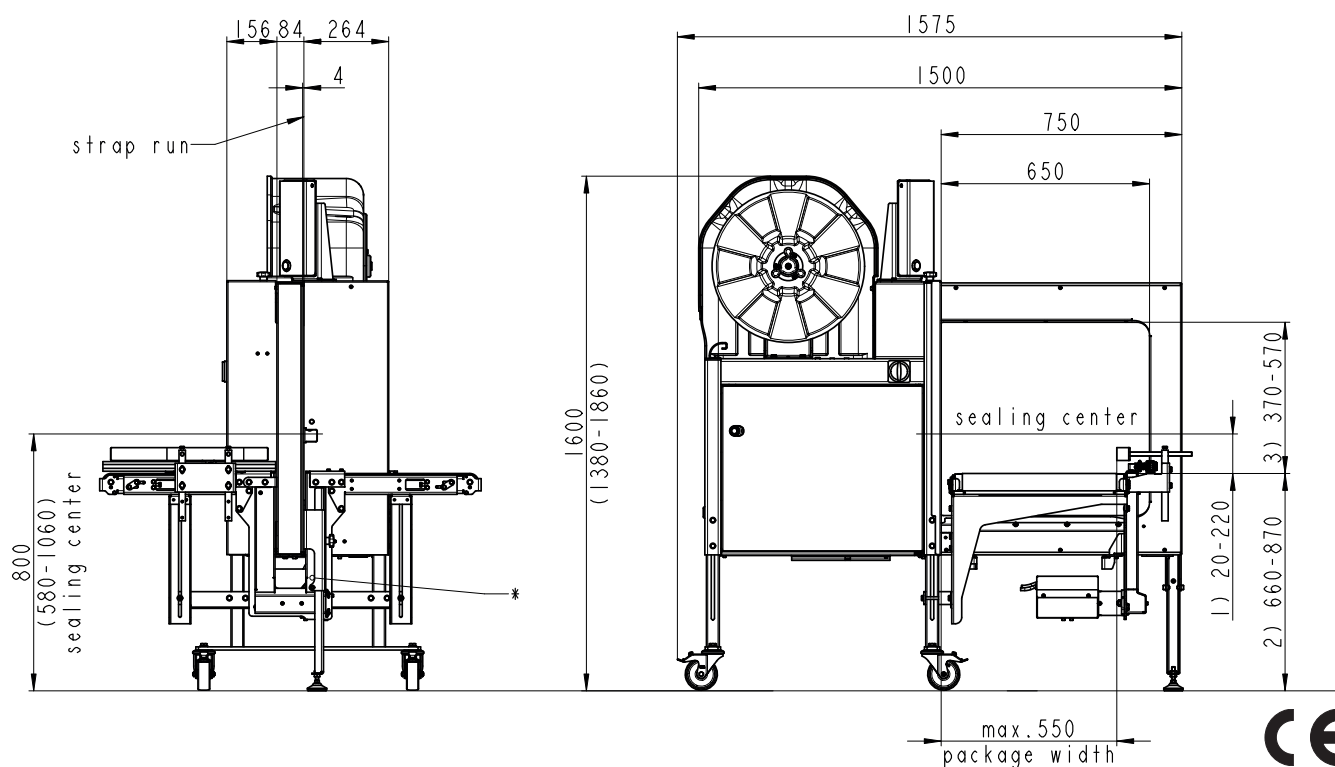
■ **Strap end pre-warning**
Signal via interface if the diameter of the strap dispenser falls below the pre-set value

LAYOUT

OR-M 575i (650 x 500 mm)



OR-M 575is (650 x 600 mm)



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