

SGP 2300/4300



Data sheet Automatic strapping machine

Intuitive Operation

Plug and play design
for easy set-up.

Simplifies Maintenance

Built with high-efficiency
components and few
wear parts.

Production Versatility

Designed for integration
into many industries
and applications.

Maximizes Productivity

Applies up to 70
straps per minute.

Technical datasheet

SGP 2300 / 4300

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	26 W	63 W	446 W
Volt Ampère	38 VA	64 VA	451 VA
Reactive Power	27 VAR	9 VAR	94 VAR
Power Factor	PF 0,60	PF 0,88	PF 0,98
COS Phi	0,69	0,99	0,99
Ampère	0,19 A	0,32 A	2,3 A
Room temperature	10 - 40°C (50 - 104°F)		
Relative humidity	10 - 65%		
Cycles per minute up to* (without conveyor)	70/min.		
Working heights	see layout on page 4		
Machine weight	170 kg (375 lbs)		
Color	Black RAL 9005, slate grey RAL 7015		
IP- Protection level	without IP protection		
Packages			
Width x height min.	100 x 20 mm	(4 x 0,8")	
Width / height max., Arch dimension	./. 50 mm	(/. 2")	
Length min.	--	--	
Weight max.	35 kg	(77 lbs)	
Plastic Strap (PP)			
Strap width	5 mm 9 mm 12 mm	(1/4") (3/8") (1/2")	
Strap thickness	0,40 - 0,60 mm	(0,015 - 0,024")	
Strap coil, Ø inside/outside	200 / 430 mm	(8/17")	
Strap tension	5 mm (1/4") 9 - 12 mm (3/8 / 1/2")	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

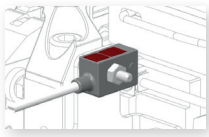
- Adjustable working height
- Four castors, two of with brakes
- Closed strap arch system
- Heat seal
- Automatic strap threading device
- Automatic strap end ejection
- Foot pedal
- Control panel with digital display
- Strap loop ejection for cycles without product
- Cycle counter
- Electrical supply cable, 5 m / 5,5 yd.
- Dispenser position: Side mounted
- Error message display
- Strap tension key «Soft»

Arch dimension

Machines	Strap width	Arch dimension Width x Height	Strap tension	Machines	Strap width	Arch dimension Width x Height	Strap tension
SGP 2300	5 mm (1/4")	650 x 500 mm (26 x 20")	300 N	SGP 4300	9 / 12 mm (3/8 / 1/2")	650 x 500 mm (26 x 20")	450 N
		850 x 650 mm (33 x 26")	300 N			850 x 650 mm (33 x 26")	450 N
		850 x 850 mm (33 x 33")	300 N			850 x 850 mm (33 x 33")	450 N
		1250 x 500 mm (49 x 20")	300 N			850 x 1250 mm (33 x 49")	450 N
		1650 x 500 mm (65 x 20")	300 N			1250 x 500 mm (49 x 20")	450 N
						1250 x 850 mm (49 x 33")	450 N
						1250 x 1550 mm (49 x 61")	450 N
						1650 x 500 mm (65 x 20")	450 N
						1650 x 850 mm (65 x 33")	450 N

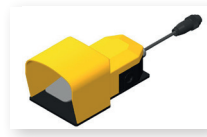


Options



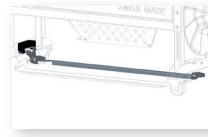
■ Table photo eye

For single, double or multiple strapping, adjustable via parameters



■ Foot switch

Foot switch with safety hood



■ 2nd foot pedal

For simplified two-sided operation of the machine



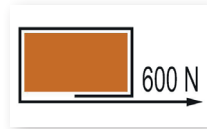
■ Manual release

Freely positionable, for activation of strapping manually



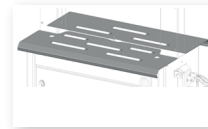
■ Operator panel

Freely positionable operator panel (magnetic foot) for optimum operating comfort



■ High strap tension 600 N

For strap tension up to 600 N



■ Roller table

For easy handling of heavy packages



■ Signal lamp 3 colors

Visual information of the different machine states



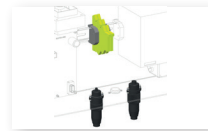
■ Hold-down device H500

Pneumatic hold-down device
For holding or compressing packages and loose bundles
1 piston rod cylinder, stroke/clearance 500 mm / 20"



■ Package stop

For aligning loose packets
Adjustable from 80 - 230 mm / 3,2 - 9 in. to the strap line



■ Interface (optional)

For integration into existing production lines

- 4-pin AMP connector (3 pieces)
- All signals potential free
- Ready for operation signal
- General fault signal
- Strapping input signal



■ Interface plug

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



■ Working height

Working heights outside the standard range



■ Special colour

RAL types

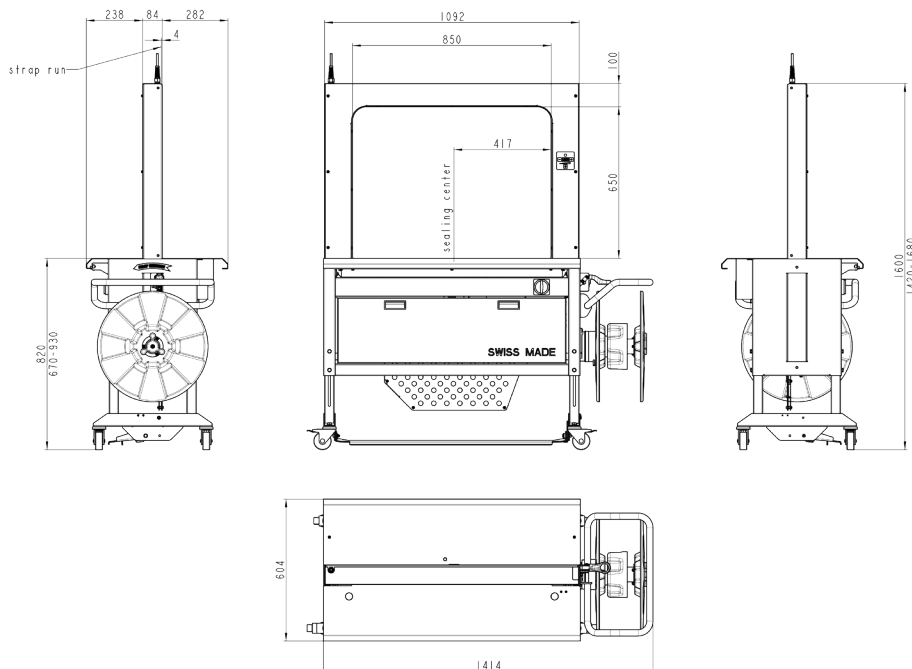
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Layout

SGP 2300 / 4300 (850 x 650 mm / 33 x 26")



SGP 2300 / 4300 (1650 x 850 mm / 65 x 33")

