

SMG 75i, 75iS

High performance side seal machine for plastic strapping

Stainless steel version for the food industry



Customer benefits

Characteristics	Customer benefits
Up to 65 cycles per minute	· Fast strapping
Touch Panel	· Strap tension easily adjustable · No protruding controls
Simple technology, few moving parts	· Reliable, also in continuous operation · Easily accessible (without tools)
Constant strap tension	· For packages of different types and sizes
Ergonomically positioned dispenser	· Simple and rapid coil change
Small anvil plate	· For reliable strapping of very low products ^(S-typ) Starts at 50 mm package height
Machine, strap and after-sales service as a total package	· Strapex – your solution provider

Highlights

IP 56 Protection

The machines are in compliance with the state of the art production requirements.



Easy operation

Strapping programs

In the standard program selectable between:



Pass through without strapping



Single, two, three straps



Multiple strapping of long packages with regular strap distances



Simple coil change

Easily accessible

Easy fault clearance and minimum maintenance requirement (without tools)

Lightweight strap for cost effective strapping

Use of thin PP strap

Standard equipment

- Adjustable conveyor height
- Four castors with brakes
- Closed strap arch system
- Heat seal
- Automatic strap threading
- Automatic strap end ejection
- Automatic strap loop ejection for cycles without product (SMG 75i)
- Small pressure plate (SMG 75iS)
- Cycle counter
- Electronic control system with microprocessor + Siemens S7-200 SPS
 - Free memory capacity for peripheral modules
- Emergency push button
- Dispenser, above machine
- Electrical supply cable, 5 m
- **Operation / Indication**
 - Touch Panel
 - Graphic display for program selection and strap interspace
 - Error message display
- **Interface**
 - One 24 pole harting connector
 - All output (transmitting) signals potential free
 - Ready signal to feed conveyor
 - General fault signal
 - Input signal, potential free
 - Ready signal from follow-on conveyor
- **Basic photocell** for detecting and positioning the packages

Technical data

Machine

- 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%
- Performance at 230 VAC
- Stand-By 50 VA, 0,3 A, 30 var,
Powerfactor 0,53
- Operation 480 VA, 2,4 A, 110 var,
Powerfactor 0,95
- Network flow assurance 10 AT
- Emission sound pressure level 79 db (A)
- Machine weight from 280 kg
- IP 56 protection DIN 60529

Packages

- Min. length x width x height SMG 75i: 250 x 150 x 90 mm
SMG 75iS: 250 x 150 x 50 mm
- Max. width 550 mm
- Package weight, max. 35 kg

Plastic strap (PP)

- Width 9 mm / 12 mm
- Strap thickness 0,40–0,60 mm
- Strap coil, inside/outside Ø 200/430 mm

Polypropylen straps and applications have to correspond with the strap specifications recommended by Strapex!

Performance

Machine

· For strap width	9/12 mm
· Max. cycles	65/min.
· Arch dimensions (w x h)	SMG 75i: 650 x 500 mm (9/12 mm) SMG 75iS: 650 x 600 mm (9/12 mm)
· Seal height	580–1060 mm
· Conveyor speed, fully adjustable	5–45 m/min
· Strap tension manual operation, up to	450 N
· Strap tension automatic operation, up to	600 N
· Room temperature	5–40°C
· Relative humidity of air	10–85%

Performance:

Depends on arch and package dimensions, conveyor speed, package distances and strap tension

Options



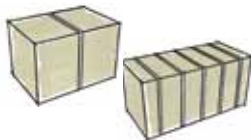
Adjustable feet

With adjustable feet the machine can be securely located.



Strapping in the centre

The packages are – independent of its length – automatically strapped in the centre.



Automatic program selection

- Single strapping in the centre
- Multiple strapping



Hold down device

Pneumatic hold down device

Triple signal lamp: red, green, orange

Different machine status are optically displayed and every machine fault is indicated by the signal lamp.



Fourfold signal lamp: white /Strap end pre-warning

When the coil diameter falls below a pre-adjusted value, the white indicator lamp will be activated. This enables a coil to be prepared in advance to minimise production down time.

Package height

If strapping height exceeds or remains under the adjusted value, strapping is suppressed.

Second strapping tension

If the package height exceeds the adjusted photocell a stronger pre-adjusted tension will be applied.

Transport stop

When there are no packages on the infeed side of the machine, the conveyor stops automatically until a new package is on the conveyor.

Potential free signals in 24 pin Interface plug

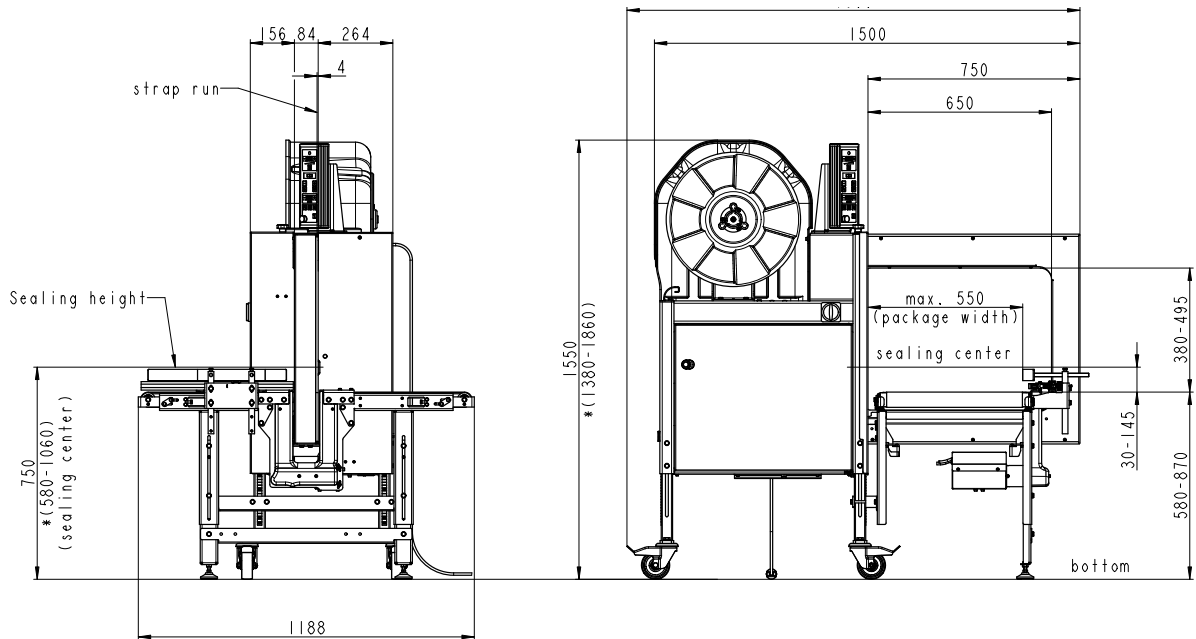
- Strap end
- Strap end pre-warning
- Automatic Mode
- Conveyor signal for infeed and down stream conveyor
- Cycle counter
- External PGM selection

Further options:

- Special sealing height
- Support roller

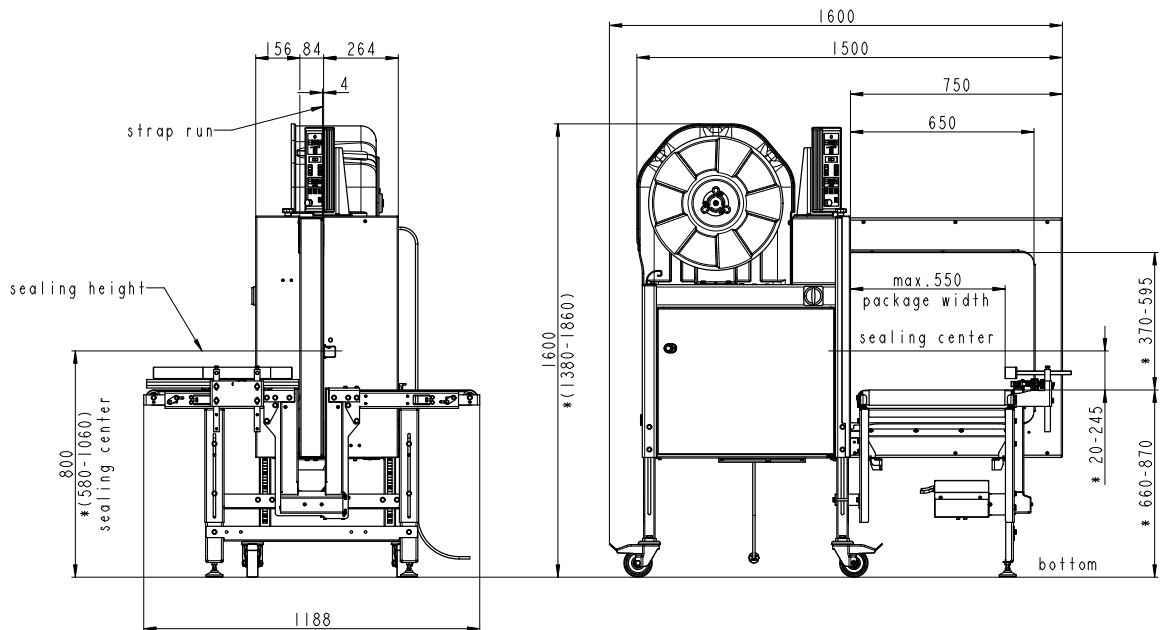
**Layout
SMG 75i**

Arch dimension
650 x 500 mm



**Layout
SMG 75iS**

Arch dimension
650 x 600 mm



*other working-height / clearance on request