

## BS 52

### Technical data

External dimensions	2,50 × 0,99 × 1,66 m*
Max. sealing area	400 × 275 mm
	400 × 285 mm**
Max. foil width	470 mm
Max. height of tray	on request
Maximum foil diameter	220 mm ø
Working cycle	8-10 per minute***
Chamber depth	100 mm****
Weight	410 kg
Electric connection	3 phases, 230/400 V, 50 Hz
Power	1,7 kW



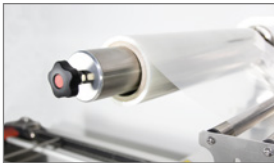
\* width × depth × height

\*\* for these dimensions, quick-change of cutting frame not possible

\*\*\* depending on the set process parameters

\*\*\*\* standard depth of the vacuum chamber 100 mm (60 mm are possible on inquiry)

### Quality characteristics



#### Construction

BS packaging machines are completely made from high-quality individual components such as stainless steel and Peraluman aluminium alloys. They guarantee long-term operational capability and meet the requirements of protection rating IP 55 with their splash-proof elements, clear structure, robust engineering and well-thought-out design.



#### User-friendliness

The Siemens programmable logic control (PLC) is equipped with a precision sensor and a clear "Touch Screen" control panel which makes precise setting of important operating parameters possible. These can be tailored individually to suit the foil and tray properties and different tray depths.



#### Sealing

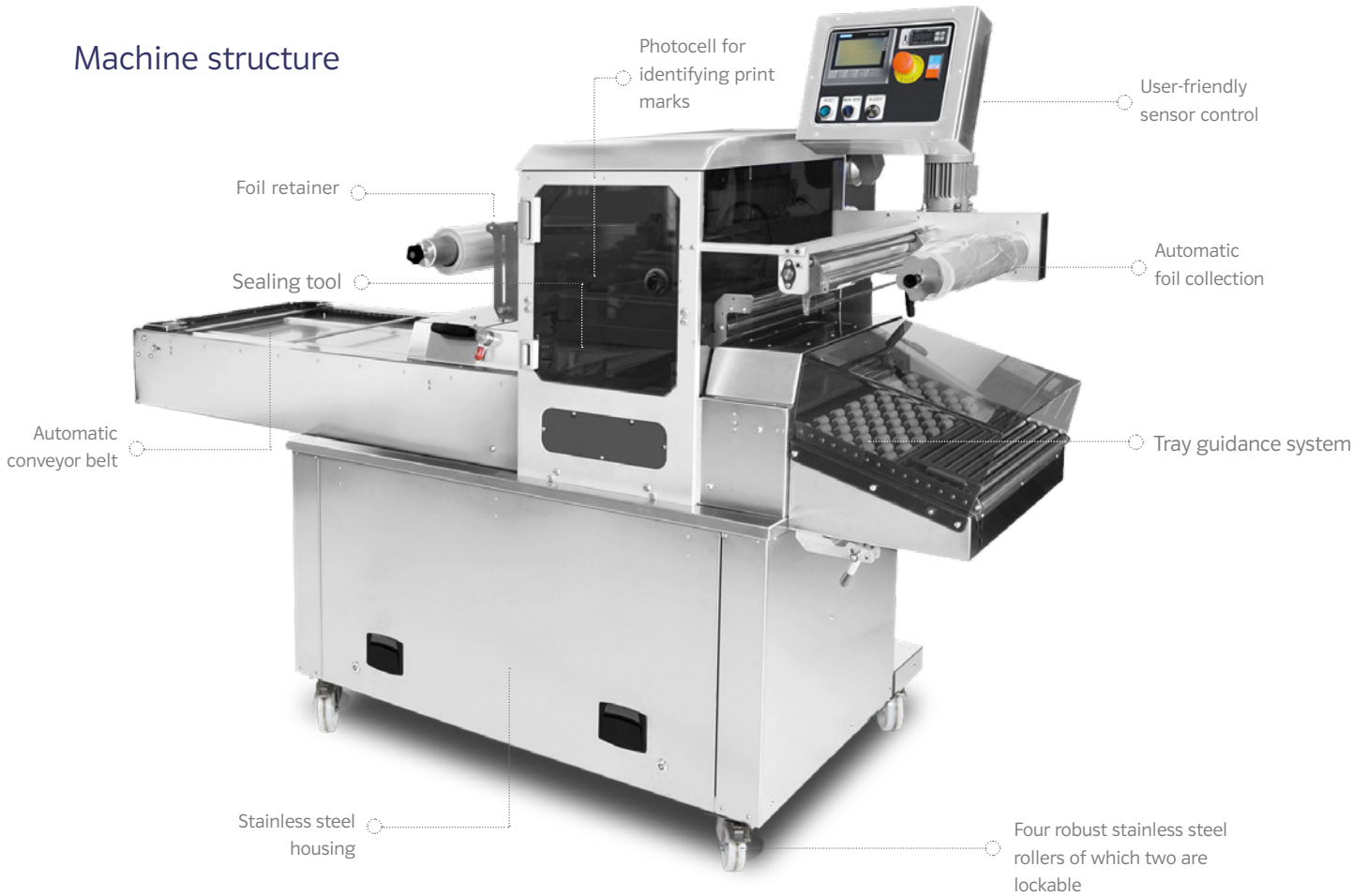
The perfect interaction of stable sealing temperature and constant contact pressure guarantees optimal packaging outcomes. The tray check on the input side triggers the sealing automatically; the printed foil is identified by a photocell and positioned correctly. The punched foil is collected by a surplus foil winder.



#### Productivity

The automatic tray feed makes a high capacity possible with low personnel engagement times. A change of format can easily be effected with exchangeable tools and this guarantees quick readiness for operation. The wide range of standard tools results in quick response times. Customer specific sealing frames can be produced if required.

## Machine structure



## Features in detail

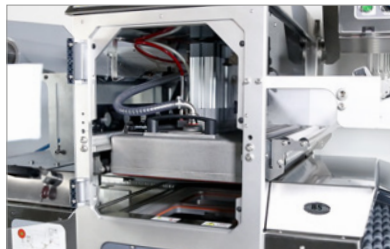
The fully automatic tray sealer is characterized by its excellent compatibility and user-friendly design. The sensor control allows the operator to optimize the packaging process for each product.

### Conveyor belt



- Integration into existing packaging lines is possible
- Conveying speed variably adjustable
- Photocell for identifying print marks
- Variable for different tray sizes

### Service-friendly design



- Good visibility of the individual components
- Optimal accessibility of process-relevant elements
- Stainless steel housing
- Loading and passage of the foil hygienically protected
- Sealing frame easy to change
- Built in line with IP 55 standard

### Sealing Unit









- Automatic contour cutting
- Automatic collection of residual foil
- Compressed air support for safe sealing
- Teflon-coated surface
- Easy to use tool- and foil change
- individual contour adjustment of the sealing plate



## Sealing machine variants

	BS 47	BS 52
Stainless steel housin	✓	✓
Sensor control	Siemens PLC	Siemens PLC
Extended conveyer belt	✓	✓
Vacuum pump	100 m <sup>3</sup> /h	✗
Automatic foil collection	✓	✓
Double gas connection	optional	✗
Tray guidance system	optional	optional
Skin sealing	optional	✗
High skin function	optional	✗
O <sub>2</sub> -valve	✓	✗
System for printed foil	✓	✓

## Tray overview

			
Sealing plates	single use	double use	triple use
Max. with outline cutting	400 × 275	190 × 275	125 × 275
Max. with outline cutting*	400 × 285	190 × 280	130 × 280
			
Siegelplatten	single use	double use	triple use
Max. with outline cutting.	ø 275	ø 190	ø 125
Max. with outline cutting*	ø 280	ø 190	ø 130

\* For these dimensions, quick-change of cutting frame not possible

## Requirements

Compressed air is required for operation of the machine. Please take the following minimum requirement for the air compressor into consideration: Supply pressure 6 bar · generation capacity 200 litres / min. · 50 litre reservoir · compressed air consumption at 6 bar: approx. 30 litres / cycle

## Options

1. Tool for single, double or triple use
2. Tray guidance system
3. Trays made in PP, PET, CPET, HDPE, u.v.m.
4. Various sealing foils as reel material
5. Export packaging (stable cardboard box on wooden pallet)

