

BS 25 PRO

Technical Data

External dimensions	640 x 1140 x 1500 mm*
Max. sealing area with skin function	325 x 265 mm
Max. sealing area with high skin function	300 x 245 mm
Max. sealing area with outline cutting	350 x 275 mm
Max. foil width	410 mm
Max. tray height	115 mm**
Max. tray height (skin)	60 mm
Working cycle	up to 2 per minute***
Weight	205 kg
Vacuum pump	40 m ³ /h
Compressed air connection	6 bar
Skin function	optional
Electric connection	3 phases, 230 / 400 V, 50 Hz****
Power	2,3 kW



* width x depth x height
 ** for machines with „lifting system for trays“ max. tray height 110mm
 *** depending on the set process parameters / operation
 **** other voltages available on request

Quality characteristics



General Design

BS packaging machines are made of top-quality components: stainless steel and splash-proof protected elements are combined into compact units. Rugged technology and advanced design guarantee a long machine durability.



User-friendliness

The intuitive user interface allows a quick adjustment of key process parameters to suit the foil and tray properties. The main buttons are arranged in a clear layout for easy operation.



Sealing Tool

Due to the perfect to the perfect combination of contact pressure, sealing temperature and sealing time, all sealing results meet the highest quality standards. A temperature sensor and powerful heating elements guarantee uniform heat distribution. The clean outline cutting of the foils results into an attractive packaging result. Residual foil can be removed quickly by hand.



Compatibility

Our semi-automated sealing machines are designed for optimum flexibility. With the quick-release system, sealing frames and tools can be exchanged within seconds and without the need of screwing tools. We offer a wide range of standard sealing frames. Should you require a customised solution, please contact us.

Machine Structure



Features in Detail

The main features of the semi-automated tray sealing device are its excellent compatibility and its user-friendly design. The sensor control system enables operators to optimise the packaging process for each product.

Sealing Unit



- Stable heat distribution
- Compatible with a wide range of standard frames
- Sealing frames in special sizes upon request
- Teflon-coated surface
- Compressed air support for a firm sealing result
- Quick-release system for easy and tool-free exchange
- Precise outline cutting

Tray and Sealing Foil



- Fill quantities for up to 5kg
- System solutions for various products: vegetables, meat, fish, pasta, etc.
- Suitable for trays made in PP, PET, CPET, HDPE, etc.
- Top-grade, micro-lasered sealing foil for virtually any application
- Foils, trays, etc. available from one system supplier

User-friendly Design



- Intuitive control interface layout
- Good accessibility of process-relevant elements
- Stainless steel housing
- Quick-release frames
- Quick foil change
- Easy maintenance



	TabletopModels		Stand-aloneMachines			
	BS 5 ECO	BS 10 ECO	BS 25 Basic	BS 25 Pro	BS 40 Maxi Basic	BS 40 Maxi Pro
Stainless steel housing	✓	✓	✓	✓	✓	✓
Sensor control	Eco	Eco	Sensor Basic	Sensor Pro	Sensor Basic	Sensor Pro
Manual drawer system	✓	✓	✓	✓	✓	✓
Automatic drawer system	✗	✗	✗	optional	✗	optional
Deep chamber design (useful height)	optional (270 mm)	optional (145 mm)	optional (135/155 mm)	optional (135/155 mm)	optional (140 mm)	optional (140 mm)
Vacuum pump	✗	✗	25 or 40 m ³ /h	40 or 63 m ³ /h	40 or 63 m ³ /h	40 or 63 m ³ /h
Automatic foil collection	manual	manual	manual	automatic	manual	automatic
Mobile machine support	optional	optional	✓	✓	✓	✓
Lifting system for trays	✗	✗	✗	optional	✗	optional
Sound-absorbedcompressor	optional	optional	optional	optional	✗	✗
Skin function	✗	✗	✗	optional	✗	optional
High skin function	✗	✗	✗	optional	optional	optional
Machine in oxygen version (O ₂ -valve)	✗	✗	optional	optional	optional	optional
System for printed foil	✗	✗	✗	optional	✗	optional
Sealing tool compatibility	✗	with BS 25 Basic/Pro	with BS 10 Eco/BS 25 Pro	with BS 10 Eco/BS 25 Basic	with BS 40 Maxi Pro	with BS 40 Maxi Basic

Requirements

For working with the machine compressed air is needed. These minimum features of the compressed air generator have to be fulfilled: Incoming pressure: 6 bar · Generation capacity: 50 litres per minute · Storage air tank: 5 litres; Please use clean and dry air only.

BUSCH Vacuum Pump

The BS 25 PRO is equipped with a powerful oil-lubricated rotary vane vacuum pump made by the BUSCH Company.



Benefits

- Reduction of oxygen content by up to max. 0.1%
- Constant high vacuum level
- Optimum conservation of moisture-sensitive and/or oxygen-sensitive products
- Long-term replacement part guarantee
- Service-friendly design
- Technically mature, long-life technology Made in Germany
- Gas ballast valve for the evacuation of larger quantities of steam

Technical Data

Nominal pumping speed	40 m ³ /h
Ultimate pressure (mBar)	0,1
Nominal motor rating (kW) *	~ 2
Nominal motor speed (U/min)	1500
Noise level (ISO 2151) (dB)	64
Oil capacity (liter)	1

* depends on the voltage supply

Options

1. Wide range of sealing frames in stock
2. Very soft, sound-absorbed compressor
3. O₂-valve
4. Deep chamber design, max height of tray 135 mm or 155 mm
5. Automatic drawer system
6. Lifting system for trays
7. Skin function (incl. O₂-valve)
8. High skin function
9. Trays made in PP, PET, CPET, HDPE, etc.
10. Various sealing foil on rolls
11. Export packaging (stable cardboard box on wooden pallet)

