

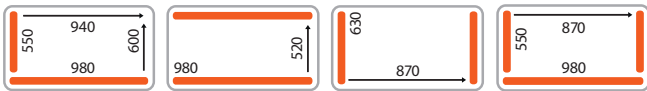
# TITAN-F 1000

## Technical data

Internal chamber dimensions	1015 x 675 x 210 mm*
External dimensions	1100 x 1000 x 1070 mm*
Seal length	550 / 630 / 980 mm
Vacuum pump	100, 160, 250 or 100 m <sup>3</sup> /h
Weight	325 kg or 395 kg
Connections	3 phases, 230 / 400 V, 50 Hz**

\* width x depth x height  
 \*\* special voltages upon request

## Sealing system



Quantity and position of the sealing bars according to individual agreement.



## BOSS quality characteristics

made in Germany



### Longevity

BOSS vacuum machines are made exclusively with high-quality individual components: rust-free stainless steel, splashproof elements and Busch high-performance pumps - 100% Made in Germany. Clear structure, robust technology and sophisticated design guarantee long-lasting operational readiness.



### User-friendliness

Our intuitive Z 3000 sensor control unit permits simple and precise setting of important operating parameters. Pre-set values can be recalled via the memory function. The well-thought-out and ergonomic construction of the machines permits user-friendly working and guarantees optimum packaging results.



### Sealing

The perfect synergy of contact pressure, sealing temperature and sealing time produces optimum fusing results. Our high-pressure sealing systems ensure consistent sealing results even with thicker types of bag. The bag overlap is cut off in order to avoid unnecessary bacterial exposure. The machine can be optionally equipped with double seam sealing.



### Service & Cleaning

Ease of cleaning is foremost in the design of our machines. The platform design of the vacuum chamber and cable-free pressure systems make cleaning the working surface easy. Individual components are easily accessible and arranged clearly. A service programme supports the functionality of the vacuum pump.

## Machine structure



## Lid and chamber

The stable platform design of the stainless steel work table guarantees optimum ease of cleaning. The lid is made of high-quality stainless steel.

### Chamber



#### Benefits

- Avoidance of dirt-sensitive welding seams
- The easy-to-clean platform design is suitable for industrial applications
- Removable welding and degassing unit

### Shelves



#### Benefits

- Optimum shelf height
- Minimisation of the chamber volume
- Shortening of the evacuation time
- Grip hole for simple handling
- Consisting of robust, food-safe PE materials
- Rounded edges for safe handling
- Dishwasher-safe

### Stainless steel lid



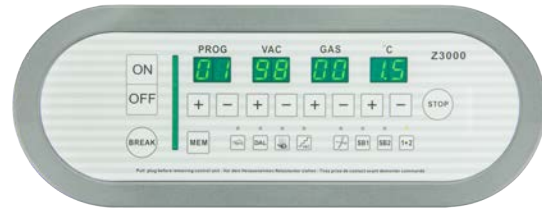
#### Benefits

- Ergonomic lid management
- Various heights available
- Silicone lip seal for smooth lid closure
- Easy-clean sealing system-installation in lid
- Sealing systems easy to uninstall

## Control unit

### Control unit Z 3000

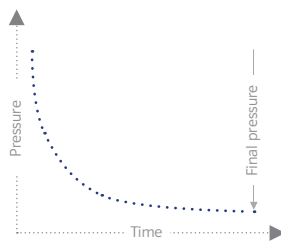
Our Z 3000 sensor control is equipped with a precision vacuum sensor and permits precise setting of important operating parameters. Vacuum, gas and sealing.



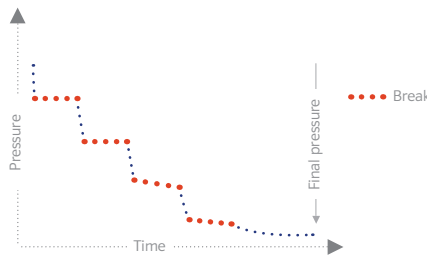
### Benefits

- User-friendliness
- 99-programme memory
- Clear depiction of individual parameters
- Break function for immediate process cancellation
- H2O sensor for automatic packaging of liquid products flexibly adjustable according to customer requirements
- Quick-stop function for packaging liquids
- Incremental vacuum function for slowly degassing products
- Cyclic vacuum permits multiple flushing of the bag
- Red Meat programme for shrink bag packaging
- Continuous running - service programme for automatically cleaning the vacuum pump
- Separately controllable sealing systems
- Splashproof design
- Soft-air function for gentle back ventilation (optional)
- Individual setting of cooling, pressing on and back ventilation times
- Operating hours counter for monitoring service intervals

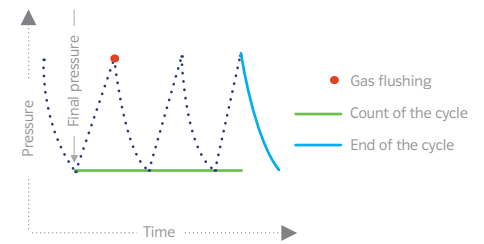
### Final pressure evacuation with auto-stop function



### Incremental vacuum

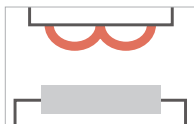
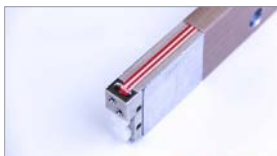


### Cyclic vacuum

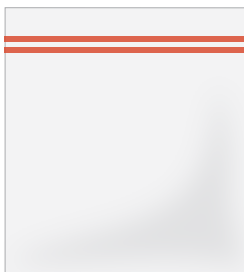


## Welding systems

### Dual seam sealing



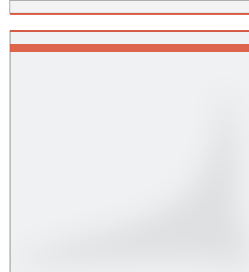
Double flat wire: 6 x 0,3 mm



### Simple cut-off sealing



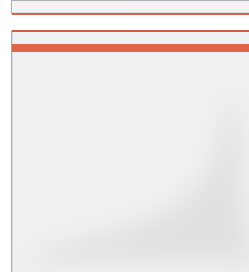
Round wire: 1,2 mm Ø  
Flat wire: 4 x 0,2 mm



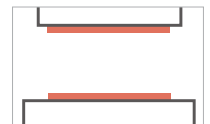
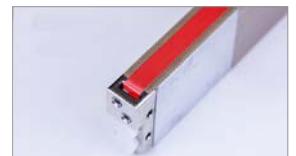
### Separately adjustable cut-off sealing



Round wire: 1,2 mm Ø  
Flat wire: 4 x 0,2 mm



### Top/bottom sealing



Flat wire above: 8 x 0,2 mm  
Flat wire below: 6 x 0,2 mm



## BUSCH vacuum pump

Our BOSS vacuum packaging machines are fitted with powerful oil-driven rotary disc vacuum pumps 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

	100 m <sup>3</sup> /h	160 m <sup>3</sup> /h	250 m <sup>3</sup> /h	300 m <sup>3</sup> /h
Nominal pumping speed	100 m <sup>3</sup> /h	160 m <sup>3</sup> /h	250 m <sup>3</sup> /h	300 m <sup>3</sup> /h
Ultimate pressure (mBar)	0,1	0,1	0,1	0,1
Nominal motor rating (kW)*	~ 2,7	~ 4	~ 5,5	~ 7,5
Nominal motor speed (U/min)	1500	1500	1500	1500
Noise level (ISO 2151) (dB)	65	70	72	74
Oil capacity (liter)	2	5	6,5	6,5

\* depends on the voltage supply

## Options

1. Exceptionally high lid (280 mm)
2. Gas flush device with long stainless steel nozzles (short bar: 3 nozzles / long bar: 5 nozzles) or number as requested
3. Simple cut-off welding
4. Separately adjustable cut-off seal
5. Top/bottom welding (not possible in combination with separately adjustable cut-off seal)
6. Slow air release
7. Inspection glass in the lid
8. Pump 160 m<sup>3</sup>/h, 250 m<sup>3</sup>/h or 300 m<sup>3</sup>/h; 3 phases, 230/400 V, 50 Hz
9. Automatic lid shift
10. Control fixed onto a lateral stainless steel arm
11. Inside roller track made of stainless steel
12. Outside connecting roller track made of stainless steel (10 rollers, height-adjustable)
13. Reduction of the volume in the lid (3 specially shaped insertion plates with stainless steel fastenings)
14. Set of wearing parts (teflon, wire, lid gasket, silicone for pressure bar)
15. Export packaging (stable cardboard box on wooden pallet)

