

TITAN-X 480

Technical data

Internal chamber dimensions	610 x 760 x 200 mm*
External dimensions	1350 x 1110 x 1090 mm*
Seal length	480 mm
Vacuum pump	63 m ³ /h or 100 m ³ /h
Weight	330 kg or 350 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



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 machine can be equipped with cut-off sealing in order to avoid unnecessary bacterial exposure.



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.

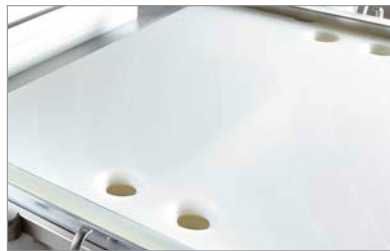
Chamber



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

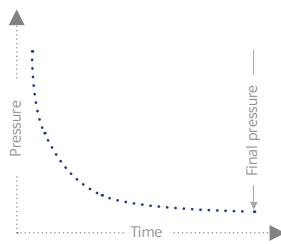
Our Z 3000 control is equipped with a precision vacuum sensor and permits precise setting of important operating parameters. Vacuum, gas and sealing.



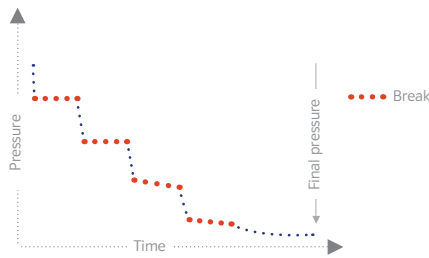
Benefits

- 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

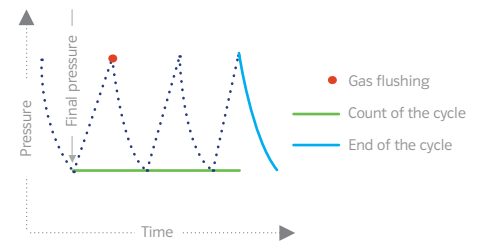
Final pressure evacuation with auto-stop function



Incremental vacuum

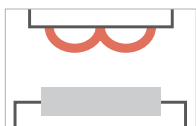
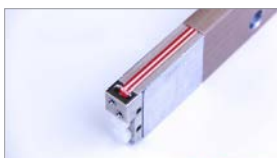


Cyclic vacuum

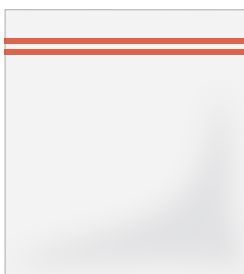


Welding systems

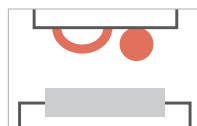
Dual seam sealing



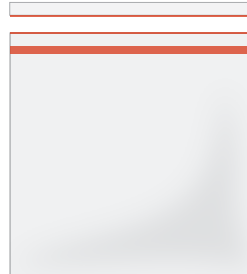
Double flat wire: 6 x 0,3 mm



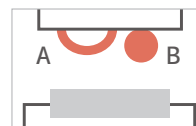
Simple cut-off sealing



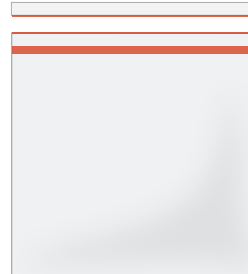
Round wire: 1,2 mm Ø
Flat wire: 4 x 0,2 mm



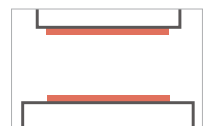
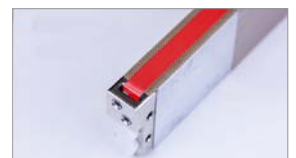
Separately adjustable cut-off sealing



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

Nominal pumping speed	63 m ³ /h	100 m ³ /h
Ultimate pressure (mBar)	0,1	0,1
Nominal motor rating (kW)*	~ 2	~ 2,7
Nominal motor speed (U/min)	1500	1500
Noise level (ISO 2151) (dB)	64	65
Oil capacity (liter)	1	2

* depends on the voltage supply

Options

1. Automatic lid shift
2. Gas flush device with 4 x 3 long stainless steel 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 100 m³/h, 3 phases; 230/400 V, 50 Hz
9. Control fixed onto a lateral stainless steel arm
10. Reduction of the volume in the lid (3 specially shaped insertion plates with stainless steel fastenings)
11. Set of wearing parts (teflon, wire, lid gasket, silicone for pressure bar)
12. Export packaging (stable cardboard box on wooden pallet)

