

# VACUUM PACKAGING MACHINES



Vacuum machines · Automatic packaging lines

# AIR CAN PACK UP AND GO.



PAGE	OVERVIEW
<b>04</b>	<b>Basic line</b>
<b>10</b>	<b>Professional line</b>
14	Tabletop machines
17	Floor-standing machines
20	Double chamber machines
22	Vertical and special purpose machines
26	Shrink dip tanks
<b>28</b>	<b>Automatic packaging lines</b>
30	Installation variants
32	Automatic vacuum machines
34	Automatic shrink dip tanks and dryer
36	Individual components for packaging lines
<b>38</b>	<b>Equipment and accessories</b>

# BASIC LINE





## Floor-standing machines

### BASIC LINE

**Vacuum technology to the point. All important functions in reliable BOSS quality. The basic machine line – for all who care about the essentials.**

- ✓ Compact
- ✓ User-friendly
- ✓ Low-cost

### BASIC-F 46



Intern. chamber dimensions	650 x 475 x 210 mm*
External dimensions	750 x 630 x 990 mm*
Seal length	460 mm
Vacuum pump	40 m <sup>3</sup> /h XL**
Control system	Z 2000-B
Weight	109 kg
Power supply	3 phases, 230 / 400 V, 50 Hz***



\* width x depth x height  
 \*\* equipped with Becker pump  
 \*\*\* special voltages upon request



## Tabletop machines

### BASIC 42



Intern. chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 410 mm*
Seal length	420 mm
Vacuum pump	16 m <sup>3</sup> /h
Control system	Z 2000-B
Weight	56 kg
Power supply	1 phase, 230 V, 50 Hz**



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

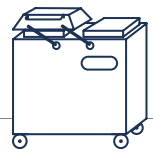
### BASIC-F 700



Intern. chamber dimensions	850 x 615 x 225 mm*
External dimensions	970 x 870 x 1070 mm*
Seal length	520 mm   760 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h
Control system	Z 4000-4 SENSOR
Weight	216 kg   234 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



\* width x depth x height/  
 above the conveyor belt  
 \*\* special voltages upon request



## Double chamber machines

### BASIC-X 520



Intern. chamber dimensions	610 x 670 x 210 mm*
External dimensions	1390 x 1030 x 1100 mm*
Seal length	520 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h
Control system	Z 4000-4 SENSOR
Weight	262 kg   282 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



\* width x depth x height/  
above the conveyor belt  
\*\* special voltages upon request

### BASIC-X 850



Intern. chamber dimensions	930 x 820 x 230 mm*
External dimensions	2040 x 1220 x 1100 mm*
Seal length	850 mm
Vacuum pump	160 m <sup>3</sup> /h
Control system	Z 4000-4 SENSOR
Weight	585 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



\* width x depth x height/  
above the conveyor belt  
\*\* special voltages upon request

### BASIC-X 630



Intern. chamber dimensions	710 x 720 x 220 mm*
External dimensions	1590 x 1120 x 1100 mm*
Seal length	630 mm
Vacuum pump	100 m <sup>3</sup> /h
Control system	Z 4000-4 SENSOR
Weight	354 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



\* width x depth x height/  
above the conveyor belt  
\*\* special voltages upon request

	Z 2000-B	Z 4000-4 SENSOR
Intuitive user interface	✓	✓
Spray water protection	✓	✓
Quick-Stop function	✓	✓
Service program	✓	✓
Break function	✗	✗
99 memory slots	✗	✓
Variable Step/Cyclic Vacuum function	✗	✗
Vacuum-shock function	✗	✗
Boiling point recognition	✗	✗
H <sub>2</sub> O program	✗	✓
Precision sensor for vacuum and gas	✗	✓
Separately controlled weld systems	✗	✓
Key-lock	✗	✗
Touch screen display	✗	✗
Verifiability	✗	✗



✓ standard  
✗ not available



# PROFESSIONAL LINE







Vacuum machines

I award  
5 stars to Boss  
Vakuum.

**DANIEL RUNDHOLZ**

**Chef de Cuisine**  
*Hotel & Landhaus Wachtelhof*



## MINI MAX



Intern. chamber dimensions	285 x 350 x 105   150 mm*
External dimensions	360 x 505 x 240   330 mm*
Seal length	260 mm
Vacuum pump	4 m <sup>3</sup> /h   8 m <sup>3</sup> /h
Control system	Z 2001 SENSOR
Weight	28 kg   33 kg
Power supply	1 phase, 230 V, 50 Hz

**Germanmade** \* width x depth x height

## MAX 42 | MAX 42-S



Intern. chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 410 mm*
Seal length	420 mm
Vacuum pump	16 m <sup>3</sup> /h   21 m <sup>3</sup> /h   40 m <sup>3</sup> /h**
Control system	Z 2001 SENSOR   Z 3000
Weight	69 kg   72 kg   79 kg**
Power supply	1 phase, 230 V, 50 Hz

**Germanmade**



\* width x depth x height  
\*\* equipped with a Becker pump

## MAX



Intern. chamber dimensions	350 x 400 x 125   180 mm*
External dimensions	430 x 550 x 340   400 mm*
Seal length	320 mm
Vacuum pump	10 m <sup>3</sup> /h   16 m <sup>3</sup> /h
Control system	Z 2001 SENSOR
Weight	48 kg   50 kg
Power supply	1 phase, 230 V, 50 Hz

**Germanmade** \* width x depth x height

## MAX XL | MAX XL-DD



Intern. chamber dimensions	580 x 350 x 125 mm   180 mm*
External dimensions	670 x 500 x 340 mm   400 mm*
Seal length	320 mm
Vacuum pump	10 m <sup>3</sup> /h   16 m <sup>3</sup> /h
Control system	Z 2001 SENSOR
Weight	60 kg   62 kg
Power supply	1 phase, 230 V, 50 Hz

**Germanmade** \* width x depth x height



## MAX 46-S



Intern. chamber dimensions	650 x 475 x 210 mm*
External dimensions	750 x 630 x 410 mm*
Seal length	460 mm
Vacuum pump	21 m <sup>3</sup> /h   40 m <sup>3</sup> /h***
Control system	Z 2001 SENSOR   Z 3000**
Weight	95 kg   102 kg***
Power supply	1 phase, 230 V, 50 Hz



\* width x depth x height  
 \*\* picture with control system Z 3000  
 \*\*\* equipped with a Becker pump

## MAX 36



Intern. chamber dimensions	815 x 390 x 105 mm*
External dimensions	910 x 580 x 410 mm*
Seal length	360 mm   720 mm   790 mm
Vacuum pump	21 m <sup>3</sup> /h   40 m <sup>3</sup> /h**
Control system	Z 2001 SENSOR   Z 3000
Weight	95 kg   102 kg**
Power supply	1 phase, 230 V, 50 Hz



\* width x depth x height  
 \*\* equipped with a Becker pump

## MAX-F 42



Intern. chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 990 mm*
Seal length	420 mm
Vacuum pump	21 m <sup>3</sup> /h   25 m <sup>3</sup> /h   40 m <sup>3</sup> /h***
Control system	Z 2001 SENSOR   Z 3000**
Weight	89 kg   96 kg***   104 kg
Power supply	1 phase, 230 V, 50 Hz 3 phases, 230 / 400 V, 50 Hz



\* width x depth x height  
 \*\* picture with control system Z 3000  
 \*\*\* equipped with a Becker pump

## MAX-F 46



Intern. chamber dimensions	650 x 475 x 210 mm*
External dimensions	750 x 630 x 990 mm*
Seal length	460 mm
Vacuum pump	25 m <sup>3</sup> /h   40 m <sup>3</sup> /h***   63 m <sup>3</sup> /h
Control system	Z 2001 SENSOR   Z 3000**
Weight	117 kg***   130 kg   150 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



\* width x depth x height  
 \*\* picture with control system Z 3000  
 \*\*\* equipped with a Becker pump



## Floor-standing machines

### MAX-F 50

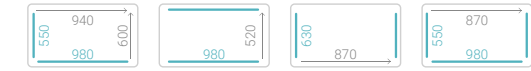


Intern. chamber dimensions	530 x 545 x 180 mm*
External dimensions	650 x 700 x 1000 mm*
Seal length	500 mm
Vacuum pump	25 m <sup>3</sup> /h   40 m <sup>3</sup> /h***   63 m <sup>3</sup> /h
Control system	Z 2001 SENSOR   Z 3000**
Weight	112 kg***   125 kg   145 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



\* width x depth x height  
 \*\* picture with control system Z 3000  
 \*\*\* equipped with a Becker pump

### TITAN-F 1000



Intern. chamber dimensions	1015 x 675 x 210   280 mm*
External dimensions	1100 x 1000 x 1070 mm*
Seal length	550 mm   630 mm   980 mm
Vacuum pump	100 m <sup>3</sup> /h   160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	325 kg   395 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



\* width x depth x height

### TITAN-F 800



Intern. chamber dimensions	845 x 600 x 210   280 mm*
External dimensions	900 x 900 x 1100 mm*
Seal length	480 mm   550 mm   810 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h
Control system	Z 3000
Weight	252 kg   270 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



\* width x depth x height

### TITAN-F 1000 XL

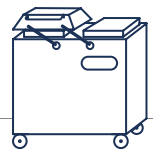


Intern. chamber dimensions	1015 x 805 x 210   280 mm*
External dimensions	1100 x 1170 x 1100 mm*
Seal length	600 mm   680 mm   760 mm   980 mm
Vacuum pump	160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	355 kg   425 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



\* width x depth x height





## Double chamber machines

### TITAN-X 480



Intern. chamber dimensions	610 x 760 x 200 mm*
External dimensions	1350 x 1110 x 1090 mm*
Seal length	480 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h
Control system	Z 3000
Weight	330 kg   350 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height

### TITAN-X 850



Intern. chamber dimensions	960 x 960 x 230 mm*
External dimensions	2050 x 1310 x 1130 mm*
Seal length	850 mm
Vacuum pump	160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	600 kg   650 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height

### TITAN-X 630 S | 630



Intern. chamber dimensions	740 x 660 mm   860 x 230 mm*
External dimensions	1600 x 1010 mm   1210 x 1130 mm*
Seal length	630 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h   160 m <sup>3</sup> /h
Control system	Z 3000
Weight	385 kg   405 kg   475 kg   410 kg   480 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

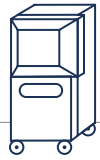
 **Germanmade** \* width x depth x height

### TITAN-X 950



Intern. chamber dimensions	1060 x 860 x 230 / 280 mm*
External dimensions	2250 x 1210 x 1130 mm*
Seal length	950 mm
Vacuum pump	160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	610 kg   660 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height




## Vertical and special purpose machines

### V 42 VA



Intern. chamber dimensions	440 x 445 x 180 mm*
External dimensions	600 x 700 x 700 mm*
Seal length	420 mm
Vacuum pump	21 m <sup>3</sup> /h
Control system	Z 3000
Weight	85 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** \* width x depth x height

### V 810 VA




Intern. chamber dimensions	850 x 670 x 200 mm*
External dimensions	1070 x 1000 x 1980 mm*
Seal length	810 mm
Vacuum pump	100 m <sup>3</sup> /h   160 m <sup>3</sup> /h
Control system	Z 3000
Weight	400 kg   470 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height

### V 50 VA



Intern. chamber dimensions	530 x 545 x 185 mm*
External dimensions	650 x 700 x 1530 mm*
Seal length	520 mm
Vacuum pump	25 m <sup>3</sup> /h   63 m <sup>3</sup> /h
Control system	Z 3000
Weight	150 kg   170 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height

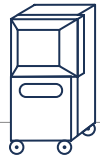
### VX 630 VA



Intern. chamber dimensions	740 x 860 x 230 mm*
External dimensions	1600 x 1100 x 1300 mm*
Seal length	630 mm
Vacuum pump	100 m <sup>3</sup> /h   160 m <sup>3</sup> /h
Control system	Z 3000
Weight	340 kg   410 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** \* width x depth x height





## Vertical and special purpose machines

### MAX-F 50 D

Can sealing machine



Intern. chamber dimensions	530 x 545 x 110 mm*
Can height   can weight	max. 56 mm   max. 1 kg
External dimensions	740 x 820 x 1010 mm*
Seal length	500 mm
Vacuum pump	25 m <sup>3</sup> /h   63 m <sup>3</sup> /h
Control system	Z 3000 Sensor
Weight	125 kg   145 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



### AVS 1600

Vacuum nitrogen cabinet



Intern. chamber dimensions	450 x 550 x 700 mm*
External dimensions	700 x 750 x 1450 mm*
Vacuum pump	63 m <sup>3</sup> /h
Control system	T5
Weight	295 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



All dimensions are approximate.  
We reserve the right to make technical changes  
and improvements without notice.

### NE 63 VA



Intern. chamber dimensions	750 x 510 x 180 mm*
External dimensions	820 x 720 x 1000 mm*
Seal length	480 mm
Vacuum pump	63 m <sup>3</sup> /h   100 m <sup>3</sup> /h
Control system	Z 3000
Weight	182 kg   200 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



### NE 14 VA



Intern. chamber dimensions	825 x 660 x 200   300   420 mm*
External dimensions	910 x 930 x 990   1200 mm*
Seal length	650 mm   800 mm
Vacuum pump	100 m <sup>3</sup> /h   160 m <sup>3</sup> /h
Control system	Z 3000
Weight	320 kg   390 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



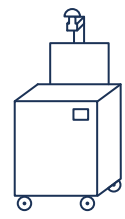
### NE 800 E2 | NE 1000 E2



Intern. chamber dimensions	850 x 600 x 250 mm   1175 x 600 x 250 mm*
External dimensions	980 x 1200 x 1220 mm   1260 x 1200 x 1220 / 1670 mm*
Seal length	810 mm   1100 mm
Vacuum pump	100 m <sup>3</sup> /h   160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	300 kg   370 kg   420 kg   470 kg
Power supply	3 phases, 230 / 400 V, 50 Hz







Shrink dip tanks



## ATT 46 A



Dipping basket dimensions	600 x 400 mm*
External dimensions	700 x 670 x 1670 mm*
Immersion depth	250 mm
Max. payload	35 kg
Working height	900 mm (measured from the floor)
Water tank	approx. 100 liter
Weight	approx. 110 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 9,5 kW**



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

## ATT 86



Dipping basket dimensions	800 x 600 mm*
External dimensions	930 x 850 x 1650 mm*
Immersion depth	250 mm
Max. payload	35 kg
Working height	900 mm (measured from the floor)
Water tank	approx. 180 liter
Weight	approx. 130 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 19 kW**



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



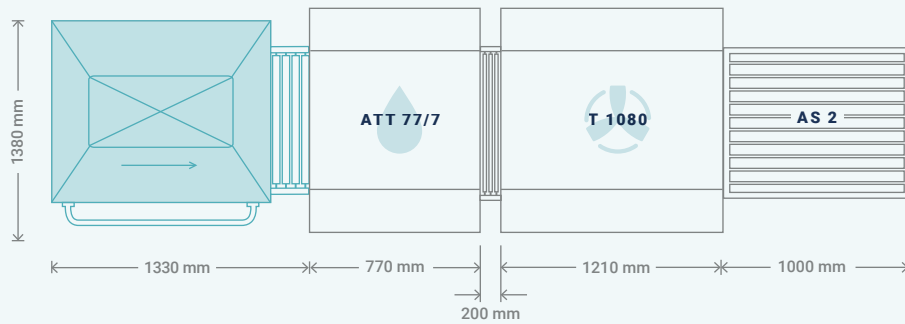
# AUTOMATIC PACKAGING LINES



## Installation variants

### TITAN-F 1000 A | TITAN-F 1000 A/XL

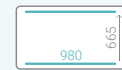
The modular construction of our packaging lines allows adaptation to individual needs in steps. At the maximum expansion stage we aim for a high capacity with the lowest amount of time required for operator attention. The module system allows integration into existing conveying systems.



#### Advantages

- modular construction of the packaging line
- reduction of operator time required through short routes

**Capacity**  
1 TITAN-F 1000 A/XL  
parallel sealing



**Bag size**  
in mm

230 x 350

300 x 400

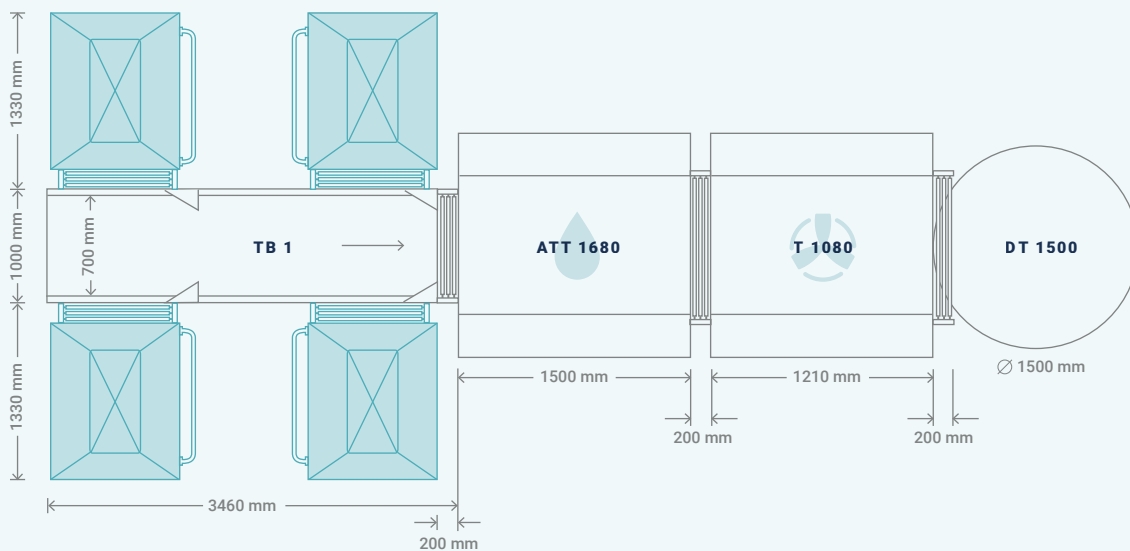
400 x 500

**Bags**  
per hour

**960**

**720**

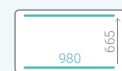
**480**



#### Advantages

- modular construction with transport belt TB 1: Up to four TITAN-F 1000 A/XL units are possible
- maximum economy and efficiency
- parallel welding beam construction offers increased packaging capacity

**Capacity**  
4 TITAN-F 1000 A/XL  
parallel sealing



**Bag size**  
in mm

230 x 350

300 x 400

400 x 500

**Bags**  
per hour

**3.840**

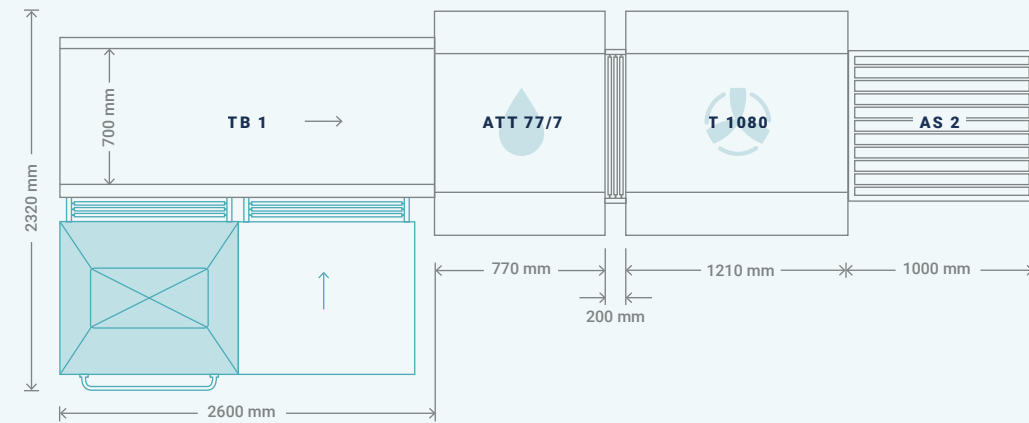
**2.880**

**1.920**

## Installation variants

### TITAN-X 950 A

The double chamber construction of our packaging lines allows an interruption-free packaging process. The modular construction of our packaging lines allows adaptation to individual needs in steps.



#### Advantages

- compact and ergonomic construction
- increase in packaging capacity through automated roller belt

**Capacity**  
1 TITAN-X 950 A  
double L-sealing



**Bag size**  
in mm

230 x 350

300 x 400

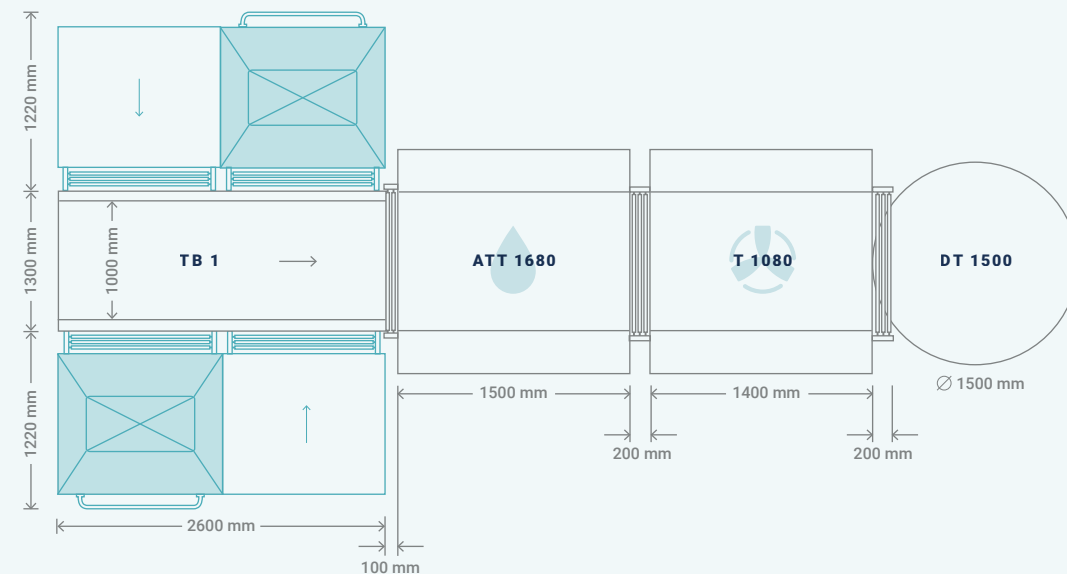
400 x 500

**Bags**  
per hour

**720**

**480**

**360**



#### Advantages

- redundant system ensures process reliability
- larger drying and shrinking tunnels possible
- reduction of operator time required through short routes

**Capacity**  
2 TITAN-X 950 A  
double L-sealing



**Bag size**  
in mm

230 x 350

300 x 400

400 x 500

**Bags**  
per hour

**1.440**

**960**

**720**





Automatic vacuum machines

Quality is important to me. That's why I choose Boss Vakuu.

**BERND MIESNER**

Butcher  
Hausschlachtereier Miesner



## TITAN-F 1000 A

with automatic product outlet



Other sealing systems available on request.

Intern. chamber dimensions	1015 x 675 x 280 / 210 mm*
External dimensions	1330 x 1000 x 1100 mm*
Seal length	550 mm   980 mm
Vacuum pump	160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	approx. 350 kg   420 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



**Germanmade**

\* width x depth x height/ above the conveyor belt  
\*\* special voltages upon request

## TITAN-F 1000 A/XL

with automatic product outlet



Other sealing systems available on request.

Intern. chamber dimensions	1015 x 805 x 280 / 210 mm*
External dimensions	1330 x 1170 x 1100 mm*
Seal length	600 mm   680 mm   980 mm
Vacuum pump	160 m <sup>3</sup> /h   250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	approx. 375 kg   450 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**

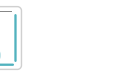


**Germanmade**

\* width x depth x height/ above the conveyor belt  
\*\* special voltages upon request

## TITAN-X 950 A

with automatic product outlet



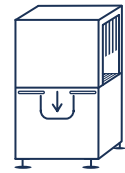
Intern. chamber dimensions	1060 x 860 x 280 / 210 mm*
External dimensions	2250 x 1210 x 1180 mm*
Seal length	950 mm   700 mm
Vacuum pump	250 m <sup>3</sup> /h   300 m <sup>3</sup> /h
Control system	Z 3000
Weight	approx. 700 kg
Power supply	3 phases, 230 / 400 V, 50 Hz**



**Germanmade**

\* width x depth x height/ above the conveyor belt  
\*\* special voltages upon request





Automatic shrink  
dip tanks and dryer

High-quality  
packaging  
solutions are  
a key to  
our success.

**MORITZ LAAME**  
Proprietor Laame GmbH

## ATT 77/7

Automatic shrink dip tank



Dipping basket dimensions	700 x 650 mm
Immersion depth   payload	250 mm   max. 110 kg
Working height / belt height	850–995 mm (measured from the floor)
Water tank	approx. 170 liter
External dimensions	770 x 1320 x 1420-1565 mm*
Weight	approx. 270 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 21 kW**
Heating system	electric/steam heating
	* width x depth x height
	** special voltages upon request

## ATT 1080

Automatic shrink dip tank



Dipping basket dimensions	1000 x 800 mm
Immersion depth   payload	max. 250 mm   max. 110 kg
Working height / belt height	850–995 mm (measured from the floor)
Water tank	approx. 340 liter
External dimensions	1210 x 1650 x 1420-1565 mm*
Weight	approx. 410 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 40 kW**
Heating system	electric/steam heating
	* width x depth x height
	** special voltages upon request

## ATT 1680

Automatic shrink tunnel



Band size	1400 x 800 mm
Product height   payload	max. 250 mm   max. 110 kg
Working height / belt height	850–995 mm (measured from the floor)
Water tank	approx. 380 liter
External dimensions	1500 x 1670 x 1420-1565 mm*
Weight	approx. 500 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 58 kW**
Heating system	electric/steam heating
	* width x depth x height
	** special voltages upon request

## T 1080

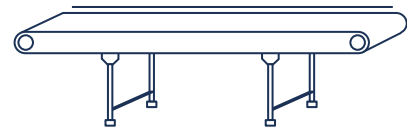
Dryer



Band size	1000 x 800 mm
Product height   payload	max. 250 mm   max. 110 kg
Working height / belt height	850–995 mm (measured from the floor)
External dimensions	1210 x 1410 x 1420-1565 mm*
Weight	approx. 470 kg
Speed	manually 2,5 or 9,3 m/min. digital 2–10 m/min.
Power supply	3 phases, 230 / 400 V, 50 Hz / 7 kW **
	* width x depth x height
	** special voltages upon request

All dimensions are approximate.  
We reserve the right to make technical changes  
and improvements without notice.





Individual components for packaging lines



## TB 1

Transport belt



Length	approx. 2600 mm
Belt width	700 mm   1000 mm
External dimensions	1000 x 2650 x 850 – 1200 mm*
Speed	approx. 200 mm / sec.
Weight	approx. 115 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

\* width x depth x height

## AT 1

Packing table



External dimensions	1500 x 870 x 800 – 950 mm*
Weight	approx. 80 kg

\* width x depth x height

## DT 1500

Rotary table



External dimensions	Ø 1500 mm, 800 – 1100 mm
Weight	75 kg
Power supply	1 phase, 230 V, 50 Hz / 0,70 kW

Direction and speed of rotation can be set.

## AS 2 | AS 2.5 | AS 3

Draining stations as alternatives to the DT 1500 rotary table.



External dimensions AS 2	1000 x 740 mm*
Weight	approx. 40 kg
External dimensions AS 2.5	1500 x 800 mm*
Weight	approx. 60 kg
External dimensions AS 3	1500 x 800 mm*
Weight	approx. 65 kg

\* width x depth x height

All dimensions are approximate.  
We reserve the right to make technical changes and improvements without notice.





## Equipment and accessories



## Accessory functions

### Higher performance vacuum pumps

We optionally deliver our vacuum machines with pump sizes up to 300 m<sup>3</sup>/h.



### Lid automation

For automation of your vacuum machine we recommend lid automation. The lid raises and lowers itself automatically at the push of a button.



### Volume reduction

High density contour plates can be positioned inside the lid or the chamber to optimize process times. The result: Faster evacuation and lower usage of inert gas.



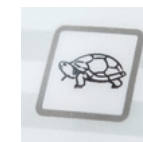
### Suction device GN

For suction of Gastro-normed containers our machines can be fitted with a ball valve with suction hose. Suitable for Green-VAC system.



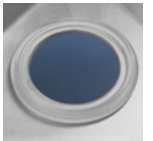
### Soft ventilation

Soft ventilation enables variable duration of re-ventilation after seal-welding and can be customized according to the product. For sharp edged products a longer duration is preferable so the pouch can slowly and gently envelope the product.



### Lid inspection window

All devices with stainless-steel lid can be supplied with a 10 cm inspection window for process surveillance. Custom sizes upon request.



### External control unit

To enable intensive cleaning processes the control unit can be positioned above the device on a stainless-steel arm and housing.



### Gassing unit

The removable inert-gas unit MAP (Modified Atmosphere Packaging) is suitable for highly pressure sensitive products to extend durability and color conservation.



### Undercarriage

Table-top devices are turned into mobile units in combination with a stainless-steel undercarriage including two shelves for bag storage. Adjustable castor-wheels ensure a secure stance.



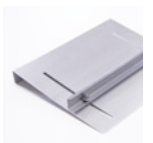
### Lid heights

By default, we offer chamber operating heights from 105 to 420 mm. Alternatively we can supply custom lid heights upon request.



### Slanted bag holder

Our height adjustable slanted insert facilitates packaging of liquids and prevents leakage during the vacuum sealing process.



## Control systems

The Z 2001 SENSOR, Z 3000 and T5 are programmable sensor-controlled units. Additionally, the T5 unit is verifiable.

	Z 2001 SENSOR	Z 3000	T5
Intuitive user interface	✓	✓	✓
Spray water protection	✓	✓	✓
Quick-Stop function	✓	✓	✓
Service program	✓	✓	✓
Break function	✗	✓	✓
99 memory slots	✓	✓	✓
Variable Step/Cyclic Vacuum function	✗	✓	✓
Vacuum-shock function	✗	✓	✓
Boiling point recognition	✗	✓	✓
H <sub>2</sub> O program	✓	✓	✓
Precision sensor for vacuum and gas	✓	✓	✓
Separately controlled weld systems	✗	✓	✓
Key-lock	✗	✓	✓
Touch screen display	✗	✗	✓
Verifiability	✗	✗	✓

✓ standard ✗ not available



## Control functions

### Variable step vacuum

Depending on item type, the final vacuum level can be achieved in five separate steps. Additionally, multiple flushing of the chamber with inert gas can be programmed. This function is intended for heavily outgassing and sensitive products.



### Boiling point recognition

When the boiling point is reached, the machine switches into welding mode automatically in order to shorten cycle time. Thus, fluid or moist products will be evacuated to a maximum level and the weight loss of product is minimized.



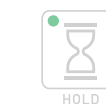
### Verifiability

A verifiable control unit documents important operating parameters, enables readout via USB interface while a password protection feature blocks unauthorized access. All devices with a Z 3000 control unit can optionally be upgraded with a T5 touchscreen control unit.



### Marinating program

This function creates a vacuum and holds it for a definable period of time. The periodical ventilation of the vacuum chamber ensures the marinade getting deep inside the product.



### Service program (DAL)

Collection of humidity in pump-oil can lower the vacuum performance over time. The program feature DAL causes a continuous operation of the vacuum pump which enables pre-cleaning of the pump-oil. This ensures reliable performance of the vacuum pump combined with the yearly oil-change.



### Quick-Stop

The Quick-Stop function manually interrupts the evacuation process and engages the welding function. This function is suitable for packaging of liquids and minimizes contamination and loss of product weight once these have reached the boiling point.



### Break function

The Break function aborts the packaging process immediately and ventilates the chamber in order to avoid damaging the product through faulty use of the device.



### Precision vacuum and gas sensor

Vacuum and inert-gas levels are governed and precisely controlled via precision sensor. This enables exact reproducibility of the resulting vacuum level.





# Accessories

✓ standard    ✗ not available    ○ optional

## TABLETOP MACHINES

	MINI MAX	MAX	MAX 42	MAX 42-S	MAX XL	MAX XL-DD	MAX 46-S	MAX 36
Dome lid	○	○	✓	✓	✗	✓	✓	✗
Slanted bag holder	○	○	○	○	○	○	○	○
Suction device GN	○	○	○	○	○	○	○	○
Gassing unit	✗	○	○	○	○	○	○	○
Soft ventilation	✗	✗	✗	○	✗	✗	○	✗
Undercarriage with bag-shelf	✗	○	○	○	○	○	○	○

## FLOOR-STANDING MACHINES

	MAX-F 42	MAX-F 46	MAX-F 50	NE 63 VA	NE 14 VA	TITAN-F 800	TITAN-F 1000/XL
Extra high lid	✗	✗	✗	✗	✗	○	○
Slanted bag holder	○	○	○	✗	✗	○	○
Suction device GN	○	○	○	✗	✗	✗	✗
Gassing unit	○	○	○	○	○	○	○
Soft ventilation	○	○	○	○	○	○	○
Lid inspection window	✓	✓	✓	○	○	○	○
Countoured insertion plate	✗	○	✗	✗	✗	✗	✗
Lid-volume reduction	✗	✗	✗	✗	✗	○	○
Lid automation	✗	✗	✗	✗	✗	✗	○
External control unit	✗	✗	✗	✗	○	○	○
Rolling track	✗	✗	✗	✗	✗	○	○
Stainless steel lid	○	○	○	✓	✓	✓	✓

## FLOOR-STANDING MACHINES

with automatic product outlet

	TITAN-X 1000 A	TITAN-X 1000 A/XL
Extra high lid	✓	✓
Slanted bag holder	✗	✗
Suction device GN	✗	✗
Gassing unit	○	○
Soft ventilation	○	○
Lid inspection window	○	○
Countoured insertion plate	✗	✗
Lid-volume reduction	○	○
Lid automation	○	○
External control unit	○	○
Rolling track	✗	✗
Stainless steel lid	✓	✓

## DIP TANKS

semi-automatic

	ATT 46 A	ATT 86
Tank cover	✓	✓
Digital temperature gauge	✓	✓
Suction hood	○	○
Adjustable dive time	✓	✓

## VERTICAL AND SPECIAL PURPOSE MACHINES

	V 42 VA	V 50 VA	V 810 VA	VX 630 VA	MAX-F 50 D	AVS 1600
Suction device GN	✗	✗	✗	✗	○	✗
Gassing unit	○	○	○	○	○	○
Soft ventilation	○	○	○	○	○	✗
Lid inspection window	○	○	○	○	✓	○
Lid automation	✗	✗	○	✗	✗	✗
Lid-volume reduction	✗	✗	✗	○	✗	✗
Insertion plates	○	○	○	○	✓	✓
Stainless steel drawers	✗	✗	✗	✗	✗	○
ESD version	✗	✗	✗	✗	✗	○

## DOUBLE CHAMBER MACHINES

	TITAN-X 480	TITAN-X 630 S	TITAN-X 630	TITAN-X 850	TITAN-X 950	TITAN-X 950 A
Extra high lid	✗	✗	✗	✗	○	✓
Slanted bag holder	✗	✗	✗	✗	✗	✗
Suction device GN	✗	✗	✗	✗	✗	✗
Gassing unit	○	○	○	○	○	○
Soft ventilation	○	○	○	○	○	○
Lid inspection window	○	○	○	○	○	○
Countoured insertion plate	✗	✗	✗	✗	✗	✗
Lid-volume reduction	○	○	○	○	○	○
Lid automation	○	○	○	○	○	○
External control unit	○	○	○	○	○	○
Rolling track	✗	✗	✗	✗	✗	✗
Stainless steel lid	✓	✓	✓	✓	✓	✓

## DOUBLE CHAMBER MACHINES

with automatic product outlet

## SHRINK DIP TANKS    SHRINK TUNNEL

	automatic		automatic
	ATT 77/7	ATT 1080	ATT 1680
Extractor hood with fan	✓	✓	✓
Preheat timer	✓	✓	✓
Digital control	✓	✓	✓
Automatic water refill	✓	✓	✓
Adjustable dive time	✓	✓	✗
Program memory	✓	✓	✓
Control by light barrier	✓	✓	✓
Steam heating	○	○	○
Infinitely adjustable belt speed	✓	✓	✓

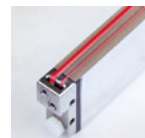
**Double seam weld**

Our double-seam weld seals the bag with an extra-wide flat-profile wire that constitutes the imprint of two parallel weld seams. This weld guarantees redundant reliability of the seal.



**Simple cut-off seal weld**

Our simple cut-off seal weld consists of two parallel welding wires: The inside flat surface wire seals the bag, while the outer round profile wire cuts off excess bag-material.



**Over- / under seal weld**

Our dual action weld seals the bag from above and below. This weld type is especially suitable for bags with high material density such as aluminum bags.



**Separately adjustable cut-off weld**

This weld is similar to the simple cut-off weld with the difference that the heating duration of each wire is separately adjustable. This feature is especially important for the processing of shrinkable bags. If required, the cut-off wire can be deactivated.



**Temperature-controlled weld**

The T5 sensor-controlled unit measures and precisely regulates the temperature of the seal-welding bar. Temperature control is the basis for verifiability of the packaging process.



**Oxygen out, freshness in!**

In a vacuum bag your product is perfectly set in scene, convincing with longevity and freshness.

[www.boss-vakuum-shop.de](http://www.boss-vakuum-shop.de)



# FULLY COVERED

From tray to foil:  
All from one source.



We look forward to your call: +49 6172 489870  
[www.bs-verpackung.de](http://www.bs-verpackung.de)





Boss Verpackungsmaschinen GmbH & Co. KG · Zum Wingert 5 · D-61352 Bad Homburg  
Tel. +49 (0) 6172 457097 · Fax +49 (0) 6172 44139 · [www.vacuum-boss.com](http://www.vacuum-boss.com) · [info@vacuum-boss.com](mailto:info@vacuum-boss.com)