

VACUUM PACKAGING MACHINES



AIR CAN PACK UP AND GO.



OVERVIEW

TABLETOP MACHINES

MINI	MINI MAX	MAX	MAX 42	MAX 42-S
260 mm	260 mm	320 mm	420 mm	420 mm
4 m ³ /h	8 m ³ /h	10 m ³ /h	16/21 m ³ /h	16/21 m ³ /h
Z 1000	Z 1000	Z 2000	Z 2000	Z 3000
Page 8	Page 8	Page 9	Page 10	Page 11

TABLETOP MACHINES

MAX XL	MAX XL-DD	MAX 46-S	MAX 36
320 mm	320 mm	460 mm	360/720/790 mm
10 m ³ /h	16 m ³ /h	21 m ³ /h	21 m ³ /h
Z 2000	Z 2000	Z 2000/3000	Z 2000
Page 12	Page 13	Page 14	Page 15

Seal length Vacuum pump Control system

OVERVIEW

FLOOR-STANDING MACHINES



	420 mm	460 mm	500 mm	480/550/810 mm	550/630/760/980 mm
	21/25 m³/h	25/63 m³/h	25/63 m³/h	63/100 m³/h	100/160/250/300 m³/h
	Z 2000/3000	Z 2000/3000	Z 2000/3000	Z 3000	Z 3000
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DOUBLE CHAMBER MACHINES



	480 mm	630 mm	630 mm	850 mm	950 mm
	63/100 m³/h	63/100/160 m³/h	100/160 m³/h	160/250/300 m³/h	160/250/300 m³/h
	Z 3000	Z 3000	Z 3000	Z 3000	Z 3000
	Page 26	Page 27	Page 27	Page 28	Page 29

Seal length Vacuum pump Control system

VERTICAL MACHINES AND SPECIAL PURPOSE



	420 mm	520 mm	810 mm	630 mm	500 mm	-
	21 m³/h	25/63 m³/h	100/160 m³/h	100/160 m³/h	25/63 m³/h	25/63 m³/h
	Z 3000	Z 3000	Z 3000	Z 3000	Z 3000	T5
	Page 32	Page 33	Page 34	Page 35	Page 36	Page 37

SHRINK DIP TANKS



	600x400 mm	800x600 mm
	100 l	180 l
	9,5 kW	19 kW
	Page 40	Page 41

Dipping basket Water tank Heating system

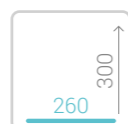


TABLETOP MACHINES

»I GIVE BOSS VAKUUM
5 STARS.«

■ DANIEL RUNDHOLZ *Chef Hotel & Landhaus Wachtelhof*

MINI | MINI MAX

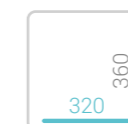


TECHNICAL DATA

Internal 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 ³ /h 8 m ³ /h
Control system	Z 1000
Weight	28 kg 33 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height

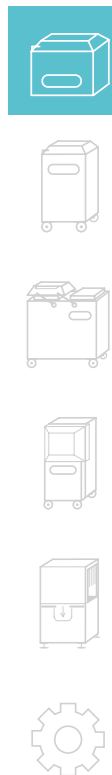
MAX



TECHNICAL DATA

Internal 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 ³ /h / 16 m ³ /h
Control system	Z 2000
Weight	48 kg / 50 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height



MAX 42



TECHNICAL DATA

Internal chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 410 mm*
Seal length	420 mm
Vacuum pump	16 m ³ /h / 21 m ³ /h
Control system	Z 2000
Weight	69 kg / 72 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height

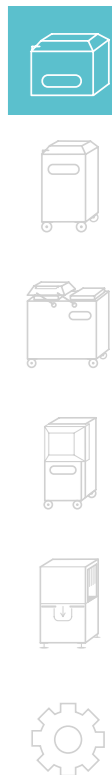
MAX 42-S



TECHNICAL DATA

Internal chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 410 mm*
Seal length	420 mm
Vacuum pump	16 m ³ /h / 21 m ³ /h
Control system	Z 3000
Weight	70 kg / 73 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height



MAX XL



TECHNICAL DATA

Internal chamber dimensions	580 x 350 x 125 mm*
External dimensions	670 x 500 x 340 mm*
Seal length	320 mm
Vacuum pump	10 m ³ /h
Control system	Z 2000
Weight	60 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height

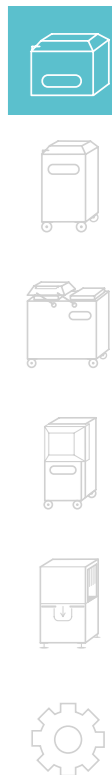
MAX XL-DD



TECHNICAL DATA

Internal chamber dimensions	580 x 350 x 180 mm*
External dimensions	670 x 500 x 400 mm*
Seal length	320 mm
Vacuum pump	16 m ³ /h
Control system	Z 2000
Weight	62 kg
Power supply	1 phase, 230 V, 50 Hz

 **Germanmade** * width x depth x height



MAX 46-S



TECHNICAL DATA

Internal chamber dimensions	650 x 475 x 210 mm*
External dimensions	750 x 630 x 410 mm*
Seal length	460 mm
Vacuum pump	21 m ³ /h
Control system	Z 2000 / Z 3000**
Weight	95 kg
Power supply	1 phase, 230 V, 50 Hz



Germanmade

* width x depth x height

** depiction with control system Z 3000

MAX 36



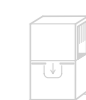
TECHNICAL DATA

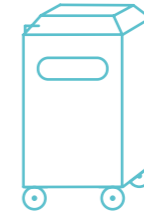
Internal chamber dimensions	815 x 390 x 105 mm*
External dimensions	910 x 580 x 410 mm*
Seal length	360 mm / 720 mm / 790 mm
Vacuum pump	21 m ³ /h
Control system	Z 2000
Weight	95 kg
Power supply	1 phase, 230 V, 50 Hz



Germanmade

* width x depth x height





FLOOR-STANDING MACHINES

»SERVICE HAS TOP PRIORITY
IN OUR COMPANY. THAT MAKES
BOSS VAKUUM AN IDEAL PARTNER.«

■ JAN HILLMANN Butcher Edeka Ehlers

MAX-F 42



TECHNICAL DATA

Internal chamber dimensions	450 x 460 x 210 mm*
External dimensions	540 x 560 x 990 mm*
Seal length	420 mm
Vacuum pump	21 m³/h / 25 m³/h
Control system	Z 2000 / Z 3000**
Weight	89 kg / 104 kg
Power supply	1 phase, 230 V, 50 Hz



Germanmade

* width x depth x height

3 phases, 230 / 400 V, 50 Hz
 ** depiction with control system Z 3000

MAX-F 46



TECHNICAL DATA

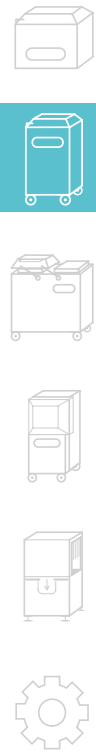
Internal chamber dimensions	650 x 475 x 210 mm*
External dimensions	750 x 630 x 990 mm*
Seal length	460 mm
Vacuum pump	25 m³/h / 63 m³/h
Control system	Z 2000 / Z 3000**
Weight	130 kg / 150 kg
Power supply	3 phases, 230 / 400 V, 50 Hz



Germanmade

* width x depth x height

** depiction with control system Z 3000



MAX-F 50



TECHNICAL DATA

Internal chamber dimensions	530 x 545 x 180 mm*
External dimensions	650 x 700 x 1000 mm*
Seal length	500 mm
Vacuum pump	25 m³/h / 63 m³/h
Control system	Z 2000 / Z 3000**
Weight	125 kg / 145 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

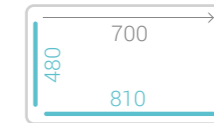
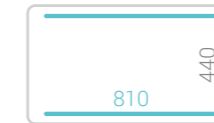


Germanmade

* width x depth x height

** depiction with control system Z 3000

TITAN-F 800



TECHNICAL DATA

Internal 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 m³/h / 100 m³/h
Control system	Z 3000
Weight	252 kg / 270 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

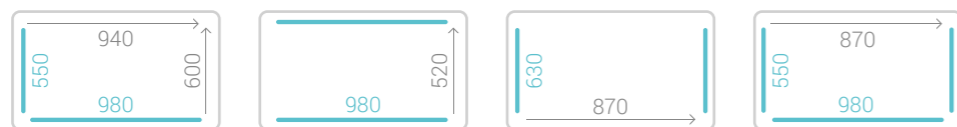


Germanmade

* width x depth x height



TITAN-F 1000



TECHNICAL DATA

Internal 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 ³ /h / 160 m ³ /h / 250 m ³ /h / 300 m ³ /h
Control system	Z 3000
Weight	325 kg / 395 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** * width x depth x height

TITAN-F 1000 XL



TECHNICAL DATA

Internal 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 ³ /h / 250 m ³ /h / 300 m ³ /h
Control system	Z 3000
Weight	355 kg / 425 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

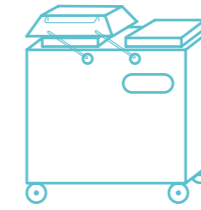
 **Germanmade** * width x depth x height





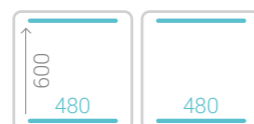
**»QUALITY IS IMPORTANT
TO ME. THAT'S WHY
I CHOOSE BOSS VAKUUM.«**

■ BERND MIESNER Butcher *Hausschlachtereie Miesner*



**DOUBLE CHAMBER
MACHINES**

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 m³/h / 100 m³/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 630 S | TITAN-X 630



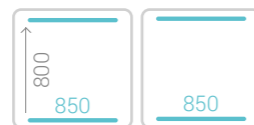
TECHNICAL DATA

Internal chamber dimensions	740 x 660 860 x 230 mm*
External dimensions	1600 x 1010 1210 x 1130 mm*
Seal length	630 mm
Vacuum pump	63 m³/h / 100 m³/h / 160 m³/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 850

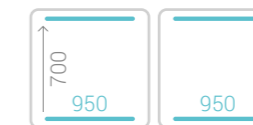


TECHNICAL DATA

Internal chamber dimensions	960 x 960 x 230 mm*
External dimensions	2050 x 1310 x 1130 mm*
Seal length	850 mm
Vacuum pump	160 m ³ /h / 250 m ³ /h / 300 m ³ /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 950



TECHNICAL DATA

Internal 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 ³ /h / 250 m ³ /h / 300 m ³ /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



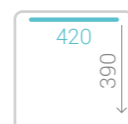


VERTICAL MACHINES AND SPECIAL PURPOSE

**»FOR 22 YEARS WE HAVE ACHIEVED
RELIABLE VACUUM-SEAL RESULTS
WITH OUR BOSS VAKUUM MACHINE.«**

EDGAR BÖLTING Planning engineer *bvt technologies*

V 42 VA

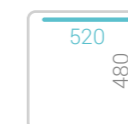


TECHNICAL DATA

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

 **Germanmade** * width x depth x height

V 50 VA



TECHNICAL DATA

Internal chamber dimensions	530 x 545 x 185 mm*
External dimensions	650 x 700 x 1530 mm*
Seal length	520 mm
Vacuum pump	25 m ³ /h / 63 m ³ /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



V 810 VA

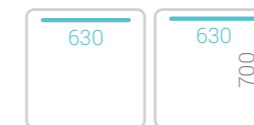


TECHNICAL DATA

Internal chamber dimensions	850 x 670 x 200 mm*
External dimensions	1070 x 1000 x 1980 mm*
Seal length	810 mm
Vacuum pump	100 m ³ /h / 160 m ³ /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

VX 630 VA



TECHNICAL DATA

Internal chamber dimensions	740 x 860 x 230 mm*
External dimensions	1600 x 1100 x 1300 mm*
Seal length	630 mm
Vacuum pump	100 m ³ /h / 160 m ³ /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



MAX-F 50 D

CAN SEALING MACHINE



TECHNICAL DATA

Internal chamber dimensions	530 x 545 x 180 mm*
External dimensions	650 x 700 x 1000 mm*
Seal length	500 mm
Vacuum pump	25 m³/h / 63 m³/h
Control system	Z 3000
Weight	125 kg / 145 kg
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** * width x depth x height

AVS 1600

VACUUM NITROGEN CABINET



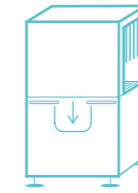
TECHNICAL DATA

Internal chamber dimensions	450 x 550 x 700 mm*
External dimensions	700 x 750 x 1450 mm*
Vacuum pump	25 m³/h / 63 m³/h
Control system	T5
Power supply	3 phases, 230 / 400 V, 50 Hz

 **Germanmade** * width x depth x height

»HIGH-QUALITY PACKAGING SOLUTIONS ARE A KEY TO OUR SUCCESS.«

MORITZ LAAME Proprietor Laame GmbH



SHRINK DIP TANKS



ATT 46 A



TECHNICAL DATA

Dipping basket dimensions	600 x 400 mm*
External dimensions	700 x 670 x 1450 mm*
Immersion depth	250 mm
Working height	840 mm (measured from the bottom)
Water tank	ca. 100 liter
Weight	ca. 110 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 9,5 kW**



Germanmade

* width x depth x height

** special voltages upon request

ATT 86



TECHNICAL DATA

Dipping basket dimensions	800 x 600 mm*
External dimensions	930 x 850 x 1670 mm*
Immersion depth	250 mm
Working height	860 mm (measured from the bottom)
Water tank	ca. 180 liter
Weight	ca. 130 kg
Power supply	3 phases, 230 / 400 V, 50 Hz / 19 kW**



Germanmade

* width x depth x height

** special voltages upon request





EQUIPMENT AND ACCESSORIES



CONTROL SYSTEMS

The Z 1000 and Z 2000 are time controlled digital units. The Z 3000 and T5 are programmable sensor-controlled units. Additionally, the T5 unit is verifiable.

	Z 1000	Z 2000	Z 3000	T5
Intuitive user interface	✓	✓	✓	✓
Spray water protection	✓	✓	✓	✓
Quick-Stop function	✓	✓	✓	✓
Analog vacuum gauge	✓	✓	✗	✗
Time controlled vacuum and welding	✓	✓	✗	✗
Service program	✗	✓	✓	✓
Break function	✗	✗	✓	✓
99 memory slots	✗	✗	✓	✓
Variable Step/Cyclic Vacuum function	✗	✗	✓	✓
Vacuum-shock function	✗	✗	✓	✓
Boiling point recognition	✗	✗	✓	✓
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 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 maximum level and 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.



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 resulting vacuum level.



ACCESSORY FUNCTIONS

HIGHER PERFORMANCE VACUUM PUMPS

We optionally deliver our vacuum machines with pump sizes of up to 300 m³/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.



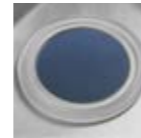
SOFT VENTILATION

Soft ventilation enables variable duration of re-ventilation after seal-welding and can be customized according to 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 castoring-wheels ensure a secure stance.



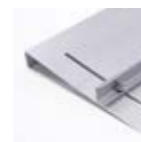
LID HEIGHTS

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.



SEAL WELDING

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.



ACCESSORIES

TABLETOP MACHINES

	MINI	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	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	×	×	×	○	○

DOUBLE CHAMBER MACHINES

	TITAN-X 480	TITAN-X 630 S	TITAN-X 630	TITAN-X 850	TITAN-X 950
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	×	×	×	×	×

✓ standard × not available ○ optional

VERTICAL MACHINES AND SPECIAL PURPOSE

	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	×	×	×	×	×	○

SHRINK DIP TANKS

	ATT 46 A	ATT 86 A
Tank cover	✓	✓
Digital temperature gauge	×	✓
Suction hood	○	○



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