

APS ML 4600

APS ML 7100

Tailored High-Tech Machines
for optimum packaging solutions





Our high-tech class

The two big thermoforming machines APS ML 4600 and APS ML 7100 are highly efficient packaging conceptions for the serial vacuum and MAP packaging of food or non-food products.

First class stainless steel construction, high dynamic servo drive, comfortable Mitsubishi PLC as well as the high-definition colour touch screen with easily understandable Windows-style operating surface in highest quality design for which five character fonts are available in order to display numerous languages being the responsible features of the APS ML 4600 and APS ML 7100 as an ideal high-tech tool in order to realize superior packaging solutions with high production capacities.

Tailored

Each WEBOMATIC machine is perfectly tailored to the specific requirements and packaging tasks of our clients. For each product it is possible to memorize an individually configured processing programme and to insert a respective name. As a consequence, a quick access to the required parameters is possible, if it is necessary to effect product and film adjustments – a permanent superior packaging quality is ensured.

Machine solutions for special packaging tasks can be designed on-site, if required. For this purpose, our international distributors and the WEBOMATIC design team are at your disposal. Satisfied clients all over the world appreciate this service.



APS ML 4600

The Allround-Solution



Extremely large variable filling area in ergonomic arrangement up to 5.400 mm.

When superior vacuum and MAP packages in high production capacities should be realized quickly and in a most economical way, the APS ML 4600 is the ideal thermoforming model. All thermoformable soft and rigid film materials up to max. 420 mm width and up to a repeat length of 400 mm with a production capacity of up to 16 cycles/min can be used on the APS ML 4600.

Equipped with two separate stainless steel lifting systems, the industrial machine offers also in width and length an impressive flexibility and can therefore be extended to a packaging line without problems. Alternatively the thermoform-

ing machine is available with an extra long or short filling area – for the manual or the comfortable fully automatic filling via slicer, pick-and-place robot or a multi head weigher – as well as with flexible exit areas for printing, labelling or cutting purposes. The total sequence of the complex packaging line is perfectly synchronised by means of the reliable Mitsubishi PLC of the thermoforming machine.

The big solution: Tailored for versatile packaging options and best packaging quality for the serial production.





Special forming trays for a client-specific packaging design.



WEBOMATIC characteristic high-quality processing.



Moveable punches enable high cutting performance with utmost flexibility.

WEBOMATIC APS ML 4600

- can be used for all thermoformable soft and rigid films up to 800 µm
- flexible in length and width due to the modular design
- for standard bottom films up to 420 mm width
- high dynamic Mitsubishi servo-drive
- secure control via Mitsubishi PLC (with optional remote diagnosis)
- easy operation with the 12" colour touch screen
- completely made out of stainless steel and other non-corrosive materials
- stable stainless steel profiles
- two separately operating stainless steel lifting devices
- 5/8" film transport chain
- heated electrical cabinet
- hygienically cleanable due to cleaning position of die sets
- many additional options available

WEBOMATIC quality equipment with construction parts from well-known manufacturers (Busch, Festo, Mitsubishi, etc.) which can be obtained worldwide.



Complete cut punches for most complex packaging forms.



12" colour touch screen for visual process monitoring and direct setting of parameters of the PLC.

APS ML 7100

The High-End Solution



Optional: Print mark control for pre-printed top films, ELS top film labelling system, gas mixing unit.

The APS ML 7100 is a perfect high performance machine for the industrial serial production of superior thermoformed packages: Even bigger dimensions and more flexible packaging possibilities are achievable here.

The APS ML 7100 does not only process all thermoformable soft and rigid film materials up to a width of 620 mm with a repeat length of up to 800 mm, but also polypropylene (PP) up to 1.200 µm equipped with max. three sandwich preheating systems.

In addition, it is possible to equip the machine with a top film forming system, so that amongst

others the practical snap-in-packages can be produced.

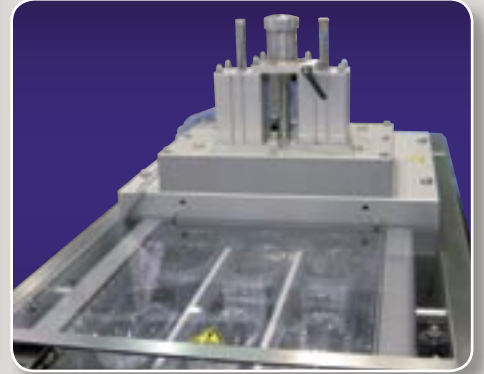
Absolutely flexible with its modular construction is the APS ML 7100 also in width and length. The machine can also be perfectly integrated into each packaging sequence due to its specific adapted filling area for the manual or comfortable fully automatic filling as well as with the flexible exit area for the optional use of coder and/or labelling systems as well as diverse cutting systems.



The high-end solution: The optimum for maximum production capacities and maximum scope of packaging design.



APS ML 7100 with two multi-head weighers for complete automatic filling process.

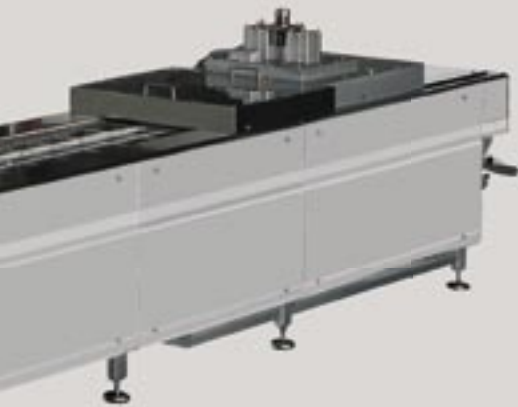


Plug assist forming and sandwich pre-heating.

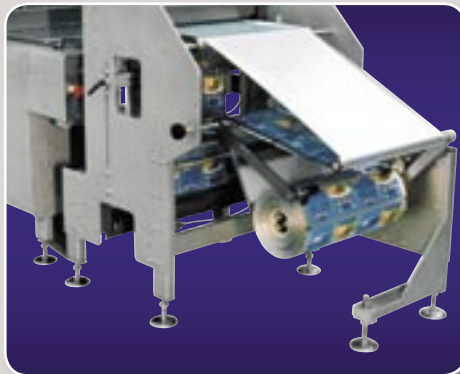
WEBOMATIC APS ML 7100

- can be used for all thermoformable soft and rigid films up to 1.200 µm
- flexible in length and width due to the modular design
- for standard bottom films up to 620 mm width
- high dynamic Mitsubishi servo-drive for high capacity
- secure control via Mitsubishi PLC (with optional remote diagnosis)
- easy operation with the 12" colour touch screen
- completely made out of stainless steel and other non-corrosive materials
- warp resistant machine frame made out of special stainless steel profiles
- two separately operating stainless steel lifting devices, optional with adjustable opening width
- 5/8" film transport chain
- heated electrical cabinet
- hygienically cleanable due to cleaning position of die sets
- many additional options available

WEBOMATIC quality equipment with construction parts from well-known manufacturers (Busch, Festo, Mitsubishi, etc.) which can be obtained worldwide.



12" colour touch screen for process monitoring and parameter settings via PLC, top film winding up system.



Bottom film unwinding for pre-printed bottom film.



Squeezing knives for perforated longitudinal cut.



APS ML 4600 Thermoforming Machine

Technical data:

Technical data:

drive:	Mitsubishi servo-drive, high dynamic, electronically controlled
control:	PLC Mitsubishi A1S with optional remote diagnosis
dimensions:	external dimensions 4.750-11.960 x 972 x 1.995mm (W x D x H) repeat length 200–400 mm max. draw depth 120 mm
weight :	depending on the equipment
electric :	400V, 50 cy, 3 phases, N, PE, kW capacity depending on equipment
compressed air:	approx. 85 l/cycle, max. humidity 7g/m ³ , pressure 7 bar min.
cooling water:	approx. 60-90 l/h, pressure 3 bar, entry temperature max. 15 °C
vacuum pump:	100, 160, 250, 400, 640, 1.000 m ³ /h, Roots pump upon request
forming procedure:	compressed air, compressed air with vacuum, plug-assist forming
film transport:	5/8" chain

Packing material and capacity:

bottom film:	thermoformable and sealable flexible or rigid film, e. g. PA/PE, A-PET, PS, PVC, PP film width: 320–420 mm roll diameter: 450 mm roll core diameter: 76 mm/3"
top film:	sealable flexible film, e.g. PA/PE, Tyvec roll diameter: 300 mm roll core diameter: 76 mm/3"
packing capacity:	depending on equipment and product, up to 16 cycles/min.

Options:

MAP including stainless steel storage tank
 gas mixing unit and/or analysing devices
 height adjustable, cycled exit conveyor belt
 film remnants aspiration system or rewinding system
 print mark control
 coder and/or labelling systems
 cutting punches for client-specific requirements
 limit for lifting device
 knee-free filling area
 product support
 water cooling systems
 remote diagnosis via Mitsubishi PLC

Technical modifications reserved.

All WEBOMATIC-machines fulfil the valid European regulations according to CE, EMV, DIN-GOST.



APS ML 7100 Thermoforming Machine

Technical data:

Technical data:

drive:	Mitsubishi servo-drive, high-dynamic, electronically controlled
control:	PLC Mitsubishi A2 with optional remote diagnosis
dimensions:	external dimensions 19.500 x 1.050 x 1.995 mm (W x D x H) repeat length 200–800 mm max. draw depth 70, 130 or 190 mm
weight :	depending on the equipment
electric :	400V, 50 cy, 3 phases, N, PE, kW capacity depending on equipment
compressed air:	depending on equipment, max. humidity 7g/m ³ , pressure 7 bar min.
cooling water:	approx. 60–120 l/h, pressure 3 bar, entry temperature max. 15 °C
vacuum pump:	100, 160, 250, 400, 630, 1.000 m ³ /h, Roots pump upon request
forming procedure:	compressed air, compressed air with vacuum, plug-assist forming
film transport:	5/8" chain

Packing material and capacity:

bottom film:	thermoformable and sealable flexible and rigid film, e.g. PA/PE, A-PET, PS, PVC, PP film width: 320–620 mm roll diameter: 450 mm roll core diameter: 76 mm/3", optional 152 mm/6"
top film:	sealable flexible film, e.g. PA/PE, Tyvec roll diameter: 400 mm roll core diameter: 76 mm/3", optional 152 mm/6"
packing capacity:	depending on equipment and product, up to 20 cycles/min.

Options:

MAP including stainless steel storage tank
gas mixing unit and/or analysing devices
top film forming
film remnants aspiration or rewinding system
print mark control unit for bottom and top film
coder and/or labelling systems
cutting punches for client-specific requirements, contour cutting
knee-free filling area
product support
water cooling systems
loading system for large capacity "Jumbo-roll"
remote diagnosis via Mitsubishi PLC

Technical modifications reserved.

All WEBOMATIC-machines fulfil the valid European regulations according to CE, EMV, DIN-GOST.



Tailored thermoformed packages to suit each customers requirement

		APS ML 2000*	APS ML 3300*	APS ML 4600	APS ML 7100
films	PA/PE, Tyvec 	●	●	●	●
		●● — — up to 400 µm	●●●● up to 600 µm	●●●●● up to 800 µm	●●●●● up to 1.200 µm
standard heating in forming station from top		●	●	●	●
simple pre-heating from beneath		—	●	●	●
sandwich pre-heating		—	● 1x	● 2x	● 3x
plug assist forming		—	●	●	●
pre-printed top film		●	●	●	●
stamp-coder		—	●	●	●
labelling: top film		—	●	●	●
bottom film		—	—	●	●
standard guillotine cut		●	●	●	●
zigzag cut		●	●	●	●
cutting punch for round corners		●	●	●	●
perforation cut		—	●	●	●
stripe punch		—	—	●	●
complete cut, respectively contour cut		—	—	●	●

* Please see separate brochure of these machine types.



Packaging is our passion



We have developed vacuum packaging machines. For 50 years.

High-quality technique from Germany

WEBOMATIC machines have successfully proven their values worldwide in almost all areas of packaging. Regardless, if the optimum vacuum packaging of easily perishable food, sterile cosmetic and medical equipment or high sensible industrial products is concerned.

Convincing product features

- first-class processing
- high-quality materials and components
- easy operation
- longevity
- reliability
- servicefriendly

Small and big solutions:

Vacuum packaging machines for workshops and industry, for the food and non-food area

From the WEBOMATIC location in Bochum everything is realized from the development up to the worldwide dispatch: Here resourceful engineers develop innovative ideas and constructive solutions and details concerning the high-quality machines, which are produced on a production area amounting to more than 8.500 m² equipped with the most modern production techniques. Comprehensive technical and application orientated know-how, the ubiquitous use of high-quality materials from well-known branded construction parts from efficient suppliers are the guarantee for the first class WEBOMATIC quality.

Either standard solutions, like table machines, single chamber machines, double chamber machines or high-tech packaging systems in accordance with the specific client's requirements: WEBOMATIC vacuum packaging machines correspond in material, technique, equipment and design to the latest state-of-the-art.

Quality is our success.

WEBOMATIC®
Advanced Vacuum Packaging Systems



WEBOMATIC®

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