TL 500
TL 500-duo
TL 1100

Automatic, flexible and highly efficient

High Quality
aus Deutschland
made in Germany

WEBOMATIC®
Advanced Vacuum Packaging Systems

Enormous versatility.
Enhanced product appearance!

Function diagram traysealers:

manual or automatic tray denester

dosing system for liquid products

top film unwinding system

film remnants are wound up

product loading
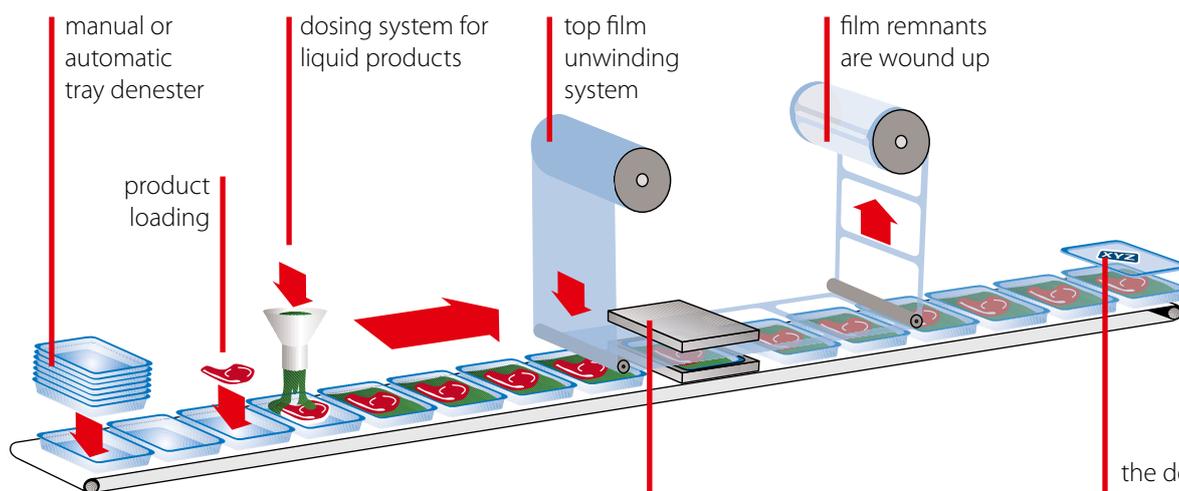
the design of the retail-ready package can be enhanced with a snap lid or an easy-to-peel label

inside the sealing station the trays are
a) simply sealed or
b) MAP packaged or
c) vacuum skin packaged.
A cut-off knife then separates the package from the film.

Fit for (non-)food: sealed trays
The versatility of tray packaging is enormous. Trays are always a first choice in the marketplace to safely present fresh products using a method that maintains freshness and extends shelf-life.
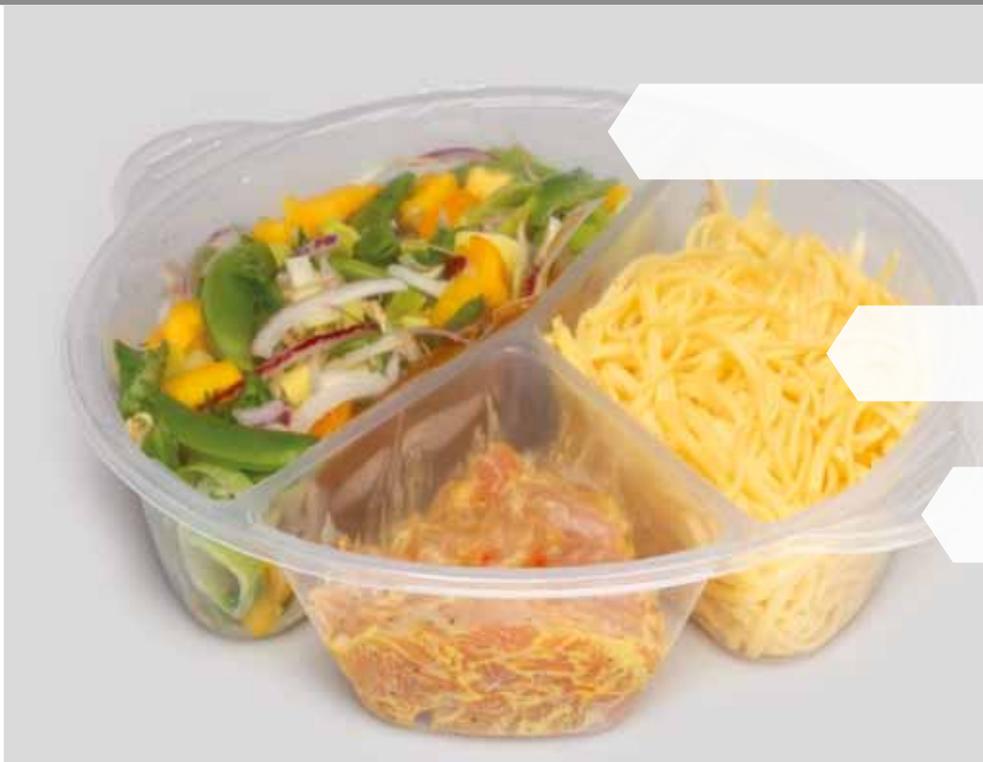
product-specific:
options for protection and keeping shelf-life:
– simple sealing *or*
– MAP packaging under vacuum *or*
– vacuum skin packaging

individual preference:
can utilize all hot sealable top films and trays

consumer convenience:
easy opening by means of optional peel flap or corner

Consumers prefer attractive, well-presented tray-packed products along with practicality, such as, easy-to-peel corners and reclosable lids. Ovenable trays also provide convenience for the consumer by giving them both a tray that can be easily transported and a meal that can be prepared (cooked or baked) quickly.

Whatever you wish to pack – either red meat, ready meals, frozen products, delicatessen or milk products, fruit, salads, vegetables, bakery products or pasta, or fresh or conserved, liquid or pasty products (food or non-food), tray sealing is the ideal format. In addition, our fully automatic tray sealers are designed to handle a wide variety of tray materials, depending on your requirements. Choose from PP, A-PET, C-PET, HDPE, EPS, paper or aluminium – all are used for fresh conservation.

Flexible tray packaging machines!

Optional lidding applicator for reclosable packages

Easily accessible chamber area simplifies positioning of film, die change and enables thorough cleaning

Flexibility is key.
Our fully automatic traysealers offer an all-around highly flexible solution for a variety of tray formats, materials, and production capacities. With our broad line, we surely have the appropriately sized machine and accessories for any tray packaging need.

Consistant CleanDesign

Optional cart for convenient and safe die change

Due to the **modular design** and a variety of **optional features** our fully automated traysealers can be adapted over time to meet future needs. With upgrades such as a denester, filling system, dosing system, coding or inline labeling systems, or a lid applicator, one can achieve higher production capacities with a fully integrated line.

In addition to simply sealing or using MAP technology, the product can also be vacuum skin packaged in a tray which presents a very attractive, high-gloss retail-ready package.

Time to launch a new product or modify production quantities?
The die changes can be done in a matter of minutes, without any tools! Prepared trays can also be **filled "offline"** before starting the automated sealing process which enables production flexibility, ultimately saving time and money!

Clear advantage: Appealing, durable tray packages – for different products and capacities – always with the economical aspect of an **excellent return on your investment.**

TL 500
TL 500-duo
Fully automated tray packaging machine

Perfect for small formats
Our fully automated industrial-sized TL 500 / TL 500-duo is designed for high production capacities and is engineered to handle a wide variety of food packaging applications and volumes. Depending on the tray size, our TL 500 models can seal up to 60 trays per minute (duo-version: more than 100) and can handle a variety of tray sizes up to 510 x 280 mm and maximum tray height of 120 mm (duo: 100 mm). Most tray sealers in the industry are simply designed for MAP and basic vacuum packaging; however, our TL 500s feature our hygienic CleanDesign.

Swivel doors on both sides and easily
accessible: the versatile TL 500

Easily changeable die sets

Precise tray positioning by fiber-optics

Ideal for single tray formats:
the dual lane production

This solid machine is perfectly designed for high-quality packaging of fresh food products, as well as sterile medical (or surgical) apparatuses and cosmetic articles.

TL 500-duo: value-added benefits
Our TL 500-duo features a dual lane infeed conveyor and is capable of sealing two to eight trays per cycle. The duo design is an ideal solution for smaller products (e.g., antipasti, meat paste, vegetables, salads, and convenience foods) that are produced to meet the requirements of single-person households. The TL 500-duo is designed to handle twice the number of applications and can be quickly transformed to handle large sized trays.

The loading conveyor TL 500/TL 500-duo can be operated from both sides and can be easily integrated into production by combining it with a denester, filling system, pick-and-place robot, etc. Economical inline production results from:
■ quick clamping device for top film;
■ automatic film rewinding system; and
■ quick die change design.

TL 1100
Fully automated tray packaging machine

**Efficient, repeatable and
reliable performance**
With its huge sealing chamber, our TL 1100
offers an extreme amount of space and
economically seals up to 5,000 trays per
hour, including vacuum and MAP.

The TL 1100 also features our CleanDesign
including angled surfaces to allow water
run-off and prevent water and dirt from
accumulating from the first day the machi-
ne enters production.

TL 1100 in cleaning position: open design featuring slidable and tiltable covers
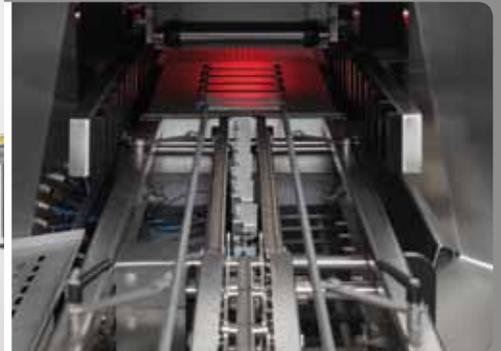
Precise tray positioning by fiber-optics

Optional movable cart for convenient and safe die change

Featuring WEBOMATIC CleanDesign: angled surfaces for direct water run-off and ease of sanitation

Duplex top film unwinding system for continuous production flow

The unique open design makes sanitation and maintenance quick and easy and is proven through our movable and tiltable protective covers on the entrance and exit, as well as the swivel doors.

The handy quick-change device for the die change, as well as two parallel top film unwinding systems, guarantee quick handling when changing the die sets. This prevents production downtime and contributes to the tray sealer running at optimum production speeds. Our optional storage cart assists you at your production area. Daily service or cleaning is done in the most effective way.

Further standard features include:

■ high precision due to Servo-driven product transporting system (advantageous for liquid products)

■ low energy consumption due to Servo-motor driven lifting system (no compressed air needed)

■ reduced amount of resources required as water-cooled die sets are not necessary

Technical data
Fully automated tray packaging machines TL

			TL 500
Trays:			
tray materials:			PP, PS, A-PET, C-PET, EPS, paper, cardboard, aluminum
tray depths (mm):			25–120
possible tray configurations for standard trays (mm; further die set configurations upon request):			
	1 x		510 x 280
	2 x		245 x 280
	3 x		160 x 280
	4 x		115 x 280
	5 x		–
	6 x		–
	7 x		–
	8 x		–
Sealing die set each complete with contour cutting (outside-cut)			
Machinery:			
control:			Mitsubishi PLC
color touch-screen:	high-resolution		Mitsubishi 8,4"
cycle capacities:	depending on equipment and product		up to 15 cycles/minute
sealing variants:	outside-cut		●
(compare photos 1–3)	inside-cut		○
	pseudo-skin		○
	peeling flap		○
external dimensions:	w x d x h, closed		approx. 3,400 x 960 x 1,600 mm
net weight:	depending on optional features		approx. 750 kg (1,654-lbs.)
film transport:			automatic
top film unwinding:			mono
top film width:	depending on tray		max. 315 mm
film reel diameter:			max. 350 mm
electrical:	special voltage optional		400 V, 50 Hz, 3 Ph., N, PE
connected load:			4 kW (plus vacuum pump)
compressed air:			approx. 30 Nl/cycle with constant 7 bar
water-cooling:			not necessary
vacuum pump:	external		100, 160, 250, 300 m³/h
jaw system:	Servo-driven		●
tray positioning:	fiber-optics		●
quick tool change device:			●

Options:

print mark control, telecommunication module, separator, O_2-version, gas mixing device, customized loading and unloading systems, tooling cart for die sets

Additional options depending on product and trays:

denester, various dosing and weighing systems, lid applicator

TL 500-duo	TL 1100
25–100	25–120
510 x 280	990 x 280
245 x 280 / 510 x 125	480 x 280
160 x 280	332 x 280
115 x 280 / 245 x 125	244 x 280
–	191 x 280
160 x 125	156 x 280
–	131 x 280
125 x 115	112 x 280
Mitsubishi PLC	Mitsubishi PLC
Mitsubishi 8,4"	Mitsubishi 12,1"
up to15 cycles/minute	up to 15 cycles/minute
●	●
○	○
○	○
○	○
approx. 3,400 x 960 x 1,600 mm	approx. 6,950 x 1,220 x 1,750 mm
approx. 790 kg (1,742-lbs.)	approx. 2,200kg (4,850-lbs.)
automatic	automatic
mono	duplex
max. 315 mm	max. 350 mm
max. 350 mm	max. 350 mm
400 V, 50 Hz, 3 Ph., N, PE	400 V, 50 Hz, 3 Ph., N, PE
4 kW (plus vacuum pump)	13 kW (plus vacuum pump)
approx. 30 Nl/cycle	approx. 25 Nl/cycle
with constant 7 bar	with constant 7 bar
not necessary	not necessary
100, 160, 250, 300 m³/h	300 m³/h min., central vacuum
●	●
●	●
●	●

1 Outside-Cut

2 Inside-Cut

3 Pseudo-Skin

CE EAC EDELSTAHL Rostfrei Vacuum by Busch

Technical changes reserved.
All WEBOMATIC machines comply with
the valid European regulations according
to CE, EMC, EAC.

● = standard equipment

○ = option

WEBOMATIC®
Advanced Vacuum Packaging Systems

Packaging is our passion

Vacuum Chamber Machines
Tray Packaging Machines
Shrinking and drying
Thermoforming Machines
Components

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We have been developing vacuum packaging machines. For more than 55 years.

High-quality technology from Germany WEBOMATIC machines have proven best practice in almost all areas of vacuum packaging – be it perishable food, sterile cosmetic and medical products or sensitive industrial products. More than 100,000 sold machines prove our excellence.

Convincing product features
- First class workmanship
- High-grade materials and components
- Easy operation
- Longevity
- Reliability
- Service-friendliness
- Branded components available world wide

Small and big solutions: for the trade and industry, for food and non-food areas
At our facilities in Bochum, Germany, we realize the complete business – from the construction to the sales – under one roof: It is here that our resourceful engineers develop innovative solutions and the intelligent details that go into our high-quality machines. In an area of over 8,500 m², we build the machines with up-to-date manufacturing technologies. Our comprehensive technical and operational know-how, as well as the use of high-grade materials and components from branded suppliers, ensure the first-class WEBOMATIC quality.

WEBOMATIC offers the complete range of modern packaging machines and packaging lines.

Quality is our success