


TL 250

Semi-automatic, firm yet flexible in use

 **High Quality**
aus Deutschland
made in Germany



TL 250

Semi-automatic tray packaging machine



Versatility for everyone

The TL 250 is characterized by its versatility: It is ideally suited as an entry level model for smaller and medium capacities in trade and catering or for the production of sample packages in laboratories and industrial setting.

Due to its compact dimensions and the robust, service-friendly design, the TL 250 can be easily placed in confined spaces. Foods such as antipasti, fresh and processed meats, fish, seafood, deli, vegetables, salads, ready meals, pasta and bakery products as well as technological or consumer products and medical applications are easily and quickly packed.

Smart hygiene concept

The solid stainless steel version in WEBOMATIC CleanDesign® enables a particularly thorough cleaning with easy access to all important parts. Beveled surfaces prevent dirt and fluid retention. The built-in drain valve enables easy removal of residual liquids from the interior of the chamber. The sealing station is located just behind a double door and is thereby shielded from external influences and dust, making it contamination free.

Definitely service friendly

Elements relevant to maintenance and service such as the sealing station (incl. die set), the film winding, the emergency stop switch and the control unit, can be accessed from the front of the machine: Even for a machine placed in a confined space, clear access to all relevant parts is guaranteed at all times.

Little effort is required to change the menu driven die set making it user friendly and quick die change speed ensures minimal downtime. Once the machine doors are closed and the interchange is initiated by using the touch screen, the upper die part



automatically lowers itself onto the lower die set part of the chamber. Subsequently, the lower chamber can be pulled out together with the complete die set and the upper part can be extracted using practical handles. The whole die set can be safely stored in the optional tool carriage. After the removal of the old sealing frame and the insertion of the new die sets parts can be reinstated. The die set change is carried out quickly, efficiently and without the need of additional tools. Thanks to the well conceived design of the motor supported film winding, film changes can be carried out smoothly and quickly: the operator can attach and

detach the film roll with additional, simple steps and again without the need of tools. This machine was primary using operator convenience and safety as the prime requisites.

Ease of operation

The efficient PLC control is operated intuitively and ensures high process reliability: for example, an integrated „die set change test“ checks the accurate seating of the die set.

The intuitive menu quickly guides the operator to the program selection and leads safely through the individual steps: once the operator has placed the filled trays in the die set and closed the chamber, vacuum, MAP and the sealing as the contour cutting are automatically performed and provide excellent packaging time after time.



Tidy storage: movable cart stores die sets when not in use.



WEBOMATIC CleanDesign®: stainless steel and non corroding materials guarantee all around wash down ability

Trays are manually placed into the sealing chamber and can be taken out following the automatic sealing procedure.



Die set change made easy: die sets can be quickly interchanged thanks to practical handles.



Film change without the need of tools: left over film can be removed in two easy steps.



In addition, the PLC checks all steps of the packaging process: for example, the function „interval vacuum“ is used to pack sensitive products with a high percentage of air, like ham and sausages. The product is vacuumed and gassed progressively to reach the lowest possible residual oxygen in the package – a protected product during the packaging procedure is ensured.

PLC control and allow for a transparent packaging process. Therefore the amount of machine down times, utilization, range of packed products over a certain period and service intervals can be easily examined.

Absolute process control and safety are top priorities: optional specific individual operator identification for different levels of authorization. The optional remote communication module, and easy data reading can be selected via the intelligent

TL 250

Maximum in flexibility for trade and industry



Conserving resources

The TL 250 ensures minimal noise emission, low power consumption (compressed air and electricity) and extreme cost efficiency. Additional filler plates in the lower die set reduce the gas consumption while packing flat products. Furthermore the automated film winding optimizes the film consumption during packaging process: the precise amount of film needed is directly relayed to the tool, no manual adjustment is necessary.

All advantages at a glance:

- ideal entry model for small to medium capacities
- perfectly suited for sample packaging in industrial and laboratory setting
- WEBOMATIC CleanDesign® – for smooth exterior and interior cleaning
- functional in confined spaces
- protected sealing station ensures contamination-free sealing process
- motor-assisted, contamination-free winding and unwinding of the film – inside the machine
- processing of all commercial, prefabricated and sealable trays (e.g. aluminum, cardboard, plastic)
- tool versions of 1-fold up to 8-fold
- up to 7 cycles per minute (depending on machine features and characteristics of the product)
- menu-driven die set change and „die set change test“
- high quality and globally available components from leading manufacturers
- high mobility
- maintenance friendly
- user friendly

Technical data

Semi-automatic tray packaging machine TL 250

Trays:

All prefabricated and sealable trays are usable.

tray materials:	PP, PS, PE, EPS, EPP, PVC, PLA, A-PET, C-PET, E-PET, airPET®, cardboard, aluminum		
max. tray dimensions	1-fold sealing die	400 x 300 mm	Ø 300 mm
for various tray configurations:	2-fold sealing die	190 x 300 mm, 400 x 144 mm	Ø 190 mm
	3-fold sealing die	117 x 300 mm, 400 x 85 mm	
	4-fold sealing die	190 x 144 mm, 82 x 300 mm, 400 x 58 mm	Ø 144 mm
	6-fold sealing die	177 x 144 mm	
	8-fold sealing die	190 x 58 mm	

Further sealing die sets and forms upon request. Sealing die sets each complete with contour-cutting.

Further dimensions up to 8-fold sealing die upon request.

max. tray height:	120 mm
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Machinery:

control unit:	Mitsubishi PLC FX with optional remote diagnosis,	
touch screen:	high-resolution 7" LCD TFT Widescreen Display	
cycle performance:	up to 7 cycles/min., depending on equipment and product	
contour-cutting and example for peel flap (see pictures 1-2):	outside cut	●
	inside cut	○
	peel flap	○
machine dimensions:	approx. 800 x 800 x 1,710 mm (W x D x H, closed front)	
working height:	855 mm (+/-50mm)	
weight:	approx. 370 kg, depending on equipment	
film transport:	fully automated with film remnant rewinding system, quick tension device for core diameter 3"/76 mm	
top film rewinding:	mono	
top film width:	max. 350 mm, depending on tray	
film reel diameter:	max. 300 mm	
electrical:	3 kW with pump	
compressed air:	approx. 10 NI/cycle with constant 6 bar	
water cooling:	not applicable	
vacuum pump:	63 m ³ /h integrated, other sizes upon request, external	



1 outside cut



2 inside cut



3 peel flap

Options:

Print mark control, telecommunication module with remote diagnosis, user identification pins, separator, O₂-equipment version for gases with an O₂-content > 21%, gas mixing unit, coder and/or labelling systems, die set trolley, inside cut, peel flap, machine equipped with rollers

● = standard equipment ○ = option

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Technical changes reserved.

All WEBOMATIC machines comply with the valid European regulations according to CE and EAC.