



SERIES FT 500/700/900

IN-MOULD TRIMMING WITH LOWER TILTING PLATEN



FT series

The FT thermoforming series is a pressure forming punch and die machine with a lower tilting platen. It is designed to fulfill the customer's demand for medium and high production of disposable cups, dairy containers, and tubs that require close cutting tolerance, high product quality, and fully automated processes.

A wide range of mold dimensions and different stacking solutions cover the different market requirements.

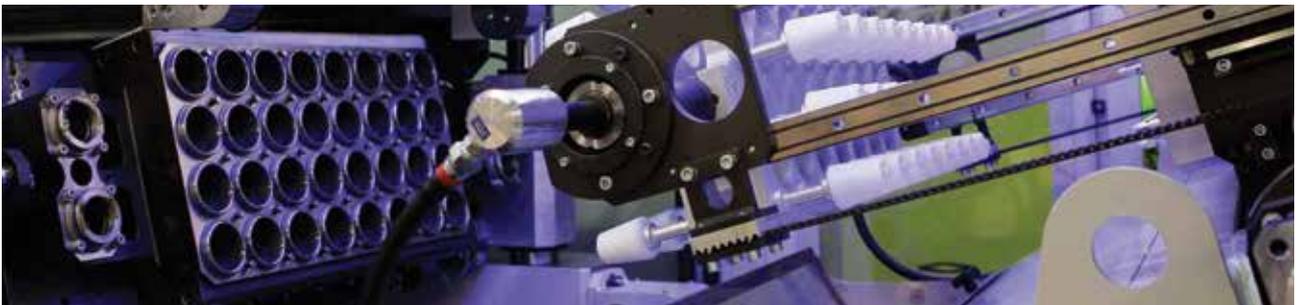
Do it right the first time!





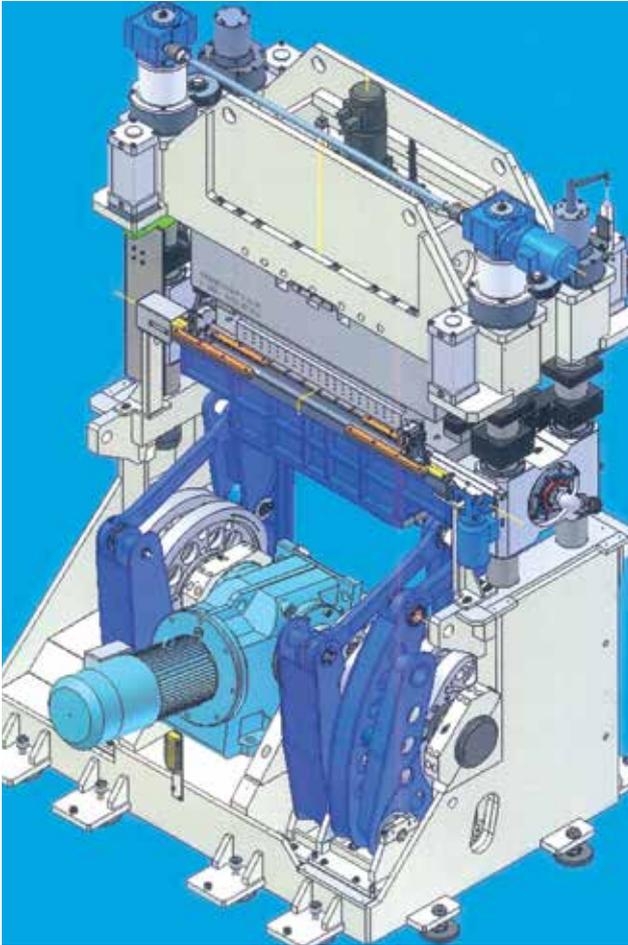
Investment means value:

- ✓ Constant quality, high performance, and rationalized material utilization
- ✓ MLS System (Machine Learning System) for initial self-setting of the cycle parameters
- ✓ Higher clamping force ensuring more cavities for PET and PP materials
- ✓ Universal stacker enables easy automatic handling of light and shallow products to the packaging machine
- ✓ Hygienic production as the stacking system is not using any brushes or rubber material
- ✓ Integrated cooling system with temperature monitoring to ensure a stable and safe process
- ✓ Easy operation and maintenance

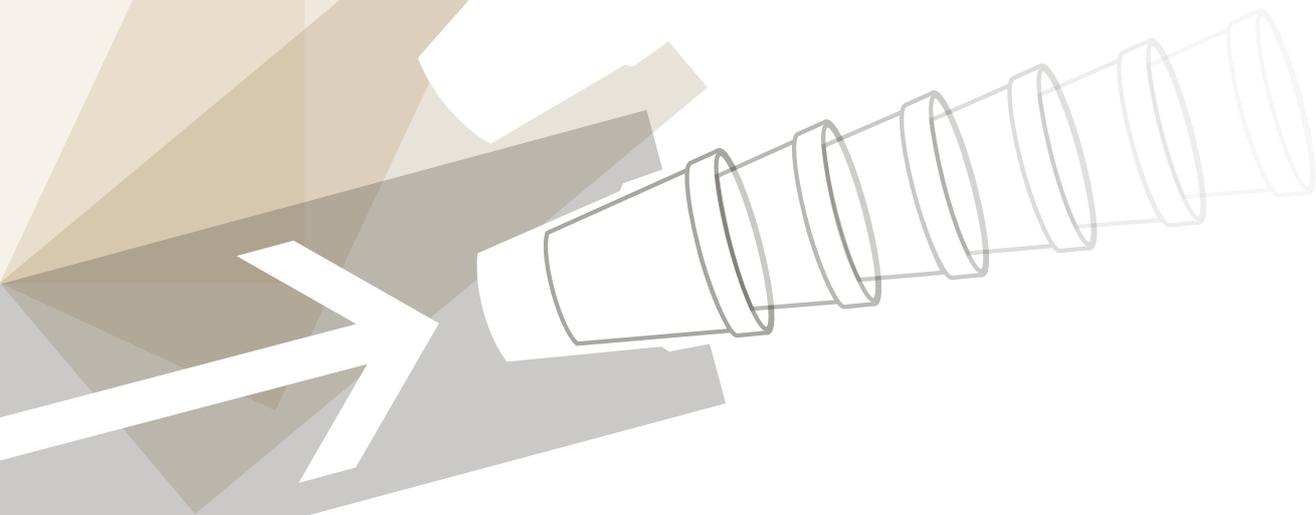


		FT 500	FT 700	FT 900	
FT model	Max sheet width	Inch	24,5"	27,5"	36,6"
	Max mold size	Inch	22,5"x14,7"	27"x15,7"	34,6"x20,5"
	Max cutting dimension	Inch	21,65"x12,6"	27"x13,4"	33,8"x18,11"
	Max negative depth	Inch	5,9"	5,9"	5,9" (7")
	Clamping force	daN	30.070	44.092	82.273
Stacker	MSv 7-9		✓	✓	✓
	RS 7-9		✓	✓	✓
	BS 7-9	 H ≥ Ø	✓	✓	✓
	ES 7		✓	✓	

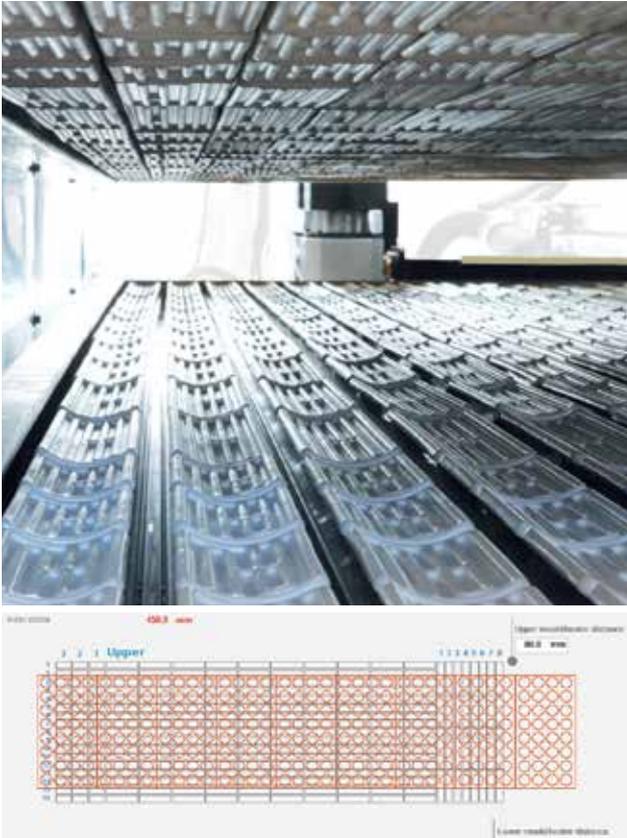
FT Lower platen tilting group: the heart of the system



- The lower tilting platen rotates 75 degrees, permitting precise and rapid ejection of the produced pieces, which are then transported to the stacking unit
- Robust and high precision motion control
- Reduced acceleration and deceleration, guaranteeing very smooth motion
- Guaranteed Parallelism
- Extended lifetime of the cutting components contributes to improved machine utilization and stable process.



FT Process efficiency increases productivity



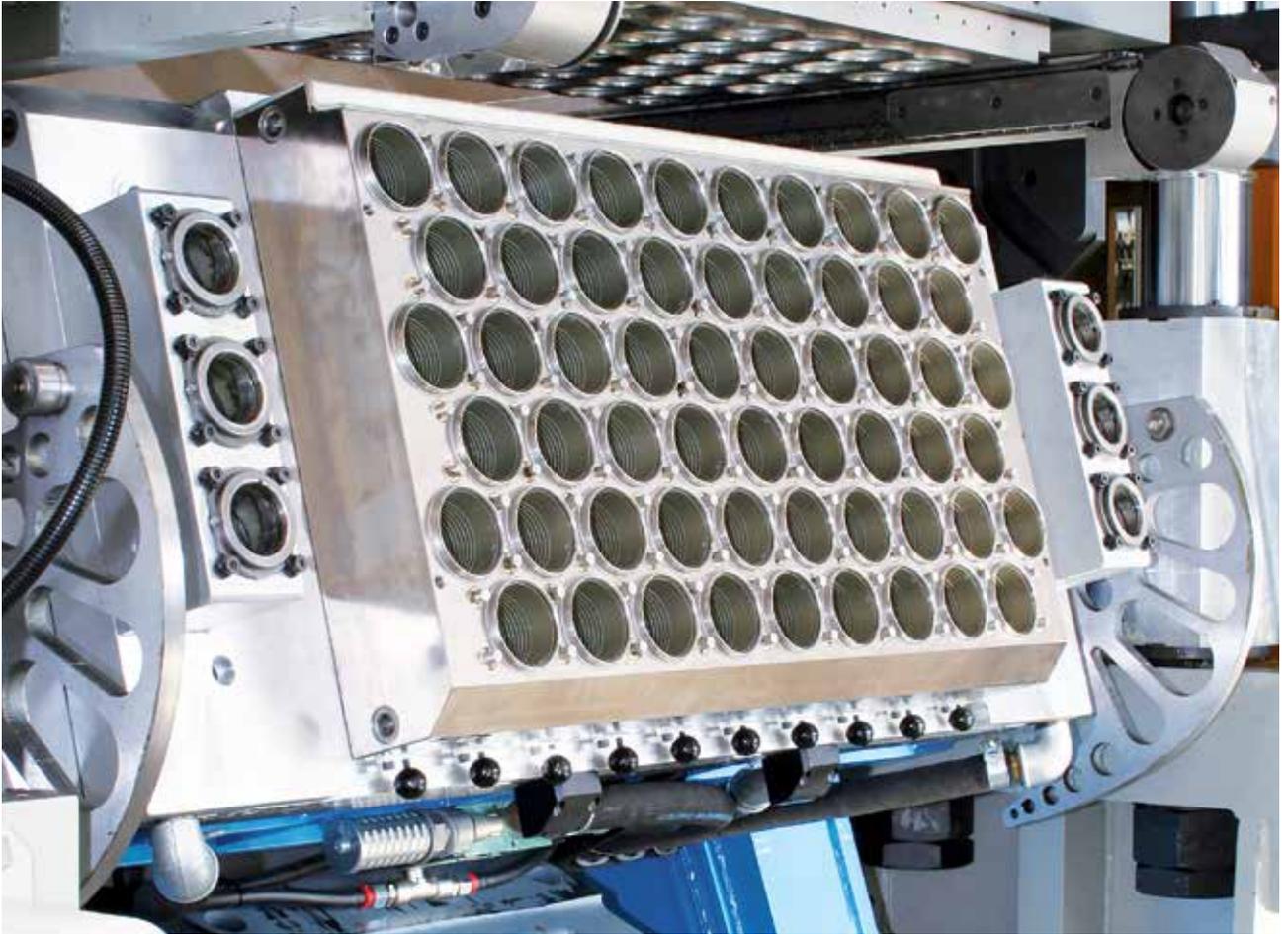
Infrared heaters

- ON-OFF function of the first rows for exact setting of the multiple heating index calculated by the MLS system
- Longitudinal and transversal temperature controllers to optimize the real sheet temperature
- Pyrometer for sheet temperature reading and temperature adjustment in closed loop
- Bank heaters length is seven times the maximum pitch of the mould in order to guarantee a homogeneous sheet temperature

New plug movement

Improved forming force and higher speed provides better distribution of the material inside the mould cavity.

- No plug marks and better transparency
- Better mechanical characteristics
- Higher sheet thickness possible



Integrated stacking systems achieves best quality and high performance in relation to the product shape



MSv - Multi Stacker

The product is taken gently from the mold by the catching plate, and subsequently vertically stacks, counts and placed in an accumulator basket without mechanical catcher. Once counted, the pieces are progressively discharged on a conveyor belt row by row for subsequent operations. The MSv model is absolutely the most flexible and complete automatic stacker possible to handle shallow and very light products.



RS - Rotating Stacker

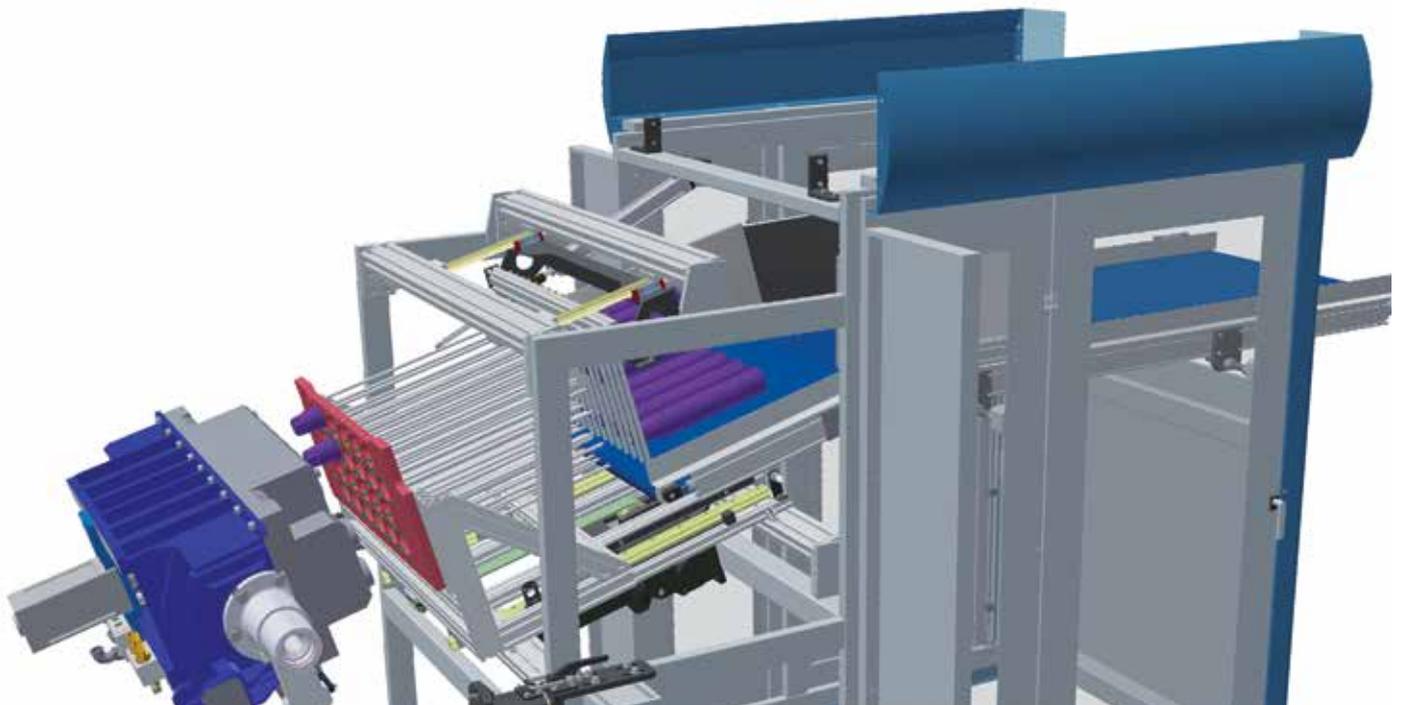
The rotating catching plate takes the product gently from the mould and rotates 180 degrees to stack the product on a casing basket through a mechanical catcher. Once counted, the pieces progressively are discharged, row by row on a conveyor belt for the subsequent operations.

The RS model is a very flexible stacker enabling to stack irregular or none conical shaped products.



BS - Blow Stacker

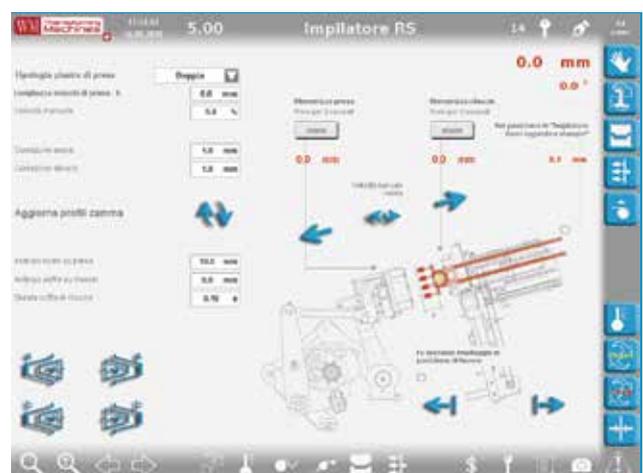
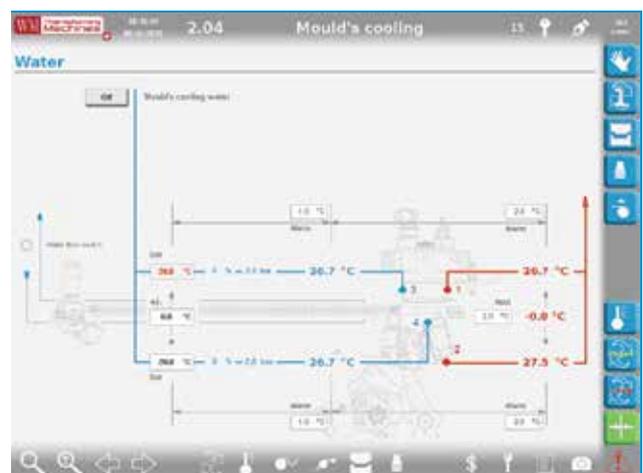
Formed conical products (e.g. drinking cups) are ejected from the lower mold half and then are blown into bent channels by means of compressed air. The pieces are then sent to the final stacking and piling zone for counting and discharging.



ES - Easy Stacker

Formed products are ejected from the lower mold half prior to stacking in a casing basket. Once counted, the pieces are discharged in a conveyor belt. Subsequently the operator can collect and pack the products manually.

Latest generation of drives and control system



- ✓ The system is based on extremely reliable and well tested B&R industrial PC and drives
- ✓ Compact touch screen
- ✓ High speed data exchange to optimize at the best cycle times
- ✓ MLS System (Machine Learning System) for initial self-setting of the cycle parameters to be able to optimize machine sequencing and increase machine output and product quality
- ✓ Program for mould change
- ✓ Cutting force monitoring
- ✓ Energy recovery
- ✓ Ceramic heating elements with individual temperature controllers for precise setting
- ✓ Energy consumption and driver analysis
- ✓ High speed modem connection in order to facilitate technical aftersales support.

FT for the IN-LINE thermoforming plant for PP disposable cups



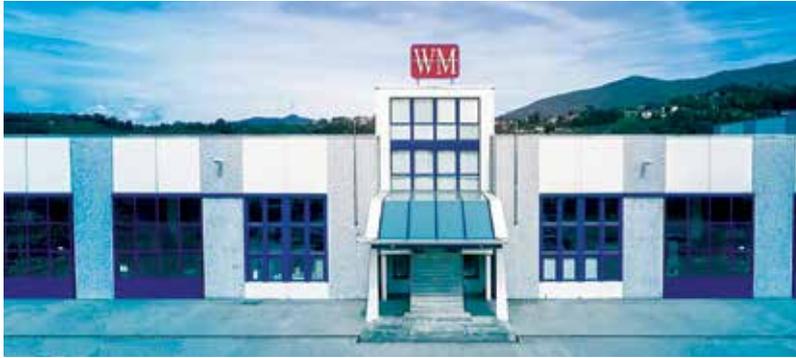
All FT machines can be supplied as an IN-LINE series, forming a real "production island" starting from the raw material up to the finished product, including the IN-LINE recycling of the granulated scrap.

The IN-LINE version guarantees a high performance system in terms of production speed, management, savings and the best conditions for hygienic food packaging production.



Rim Rolling machine B 1400

Designed and manufactured to rim up to 200.000 cups/hour in PP, PS and PET.



Moved by Passion

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