

ULMA



TFS 400-500
Thermofforming

TFS 400 - 500 hygienic design thermoformers



TFS 400-500



Operator friendly interface



Quick and easy access



Ultimate hygienic design

The TFS 400 and TFS 500 models are part of the new ULMA TFS thermoforming line. This is an entirely new machine design concept. ULMA has redesigned every section of our thermoforming machine to surpass the rigorous hygiene and deep cleaning requirements demanded by today's food packaging industry.

The machine characteristics make it highly desirable for mixed production requirements since formats can be easily changed to meet the needs of the customer. It's versatility, easy operation, and quick size change also make it suitable as a support machine for short run products.

FUNCTIONAL FEATURES

- ▶ Easy format change
- ▶ UPC control system:
 - 7" (TFS 400) and 10" (TFS 500) color touch screen display.
 - Easy and user friendly.
 - Multi-language and character support (cyrillic, arabic, katakana ...).
 - Control and display programs easily updatable (USB or Ethernet).
 - Security backups to flashdrive (USB).
 - Access protection with 3 permission levels.
 - Ethernet interface.
 - Remote view and control system same as the one available in the HMI at the machine.
 - Display of current rate. Cycle optimization tools based on time monitoring of each station.

TECHNICAL FEATURES

Construction features

- ▶ Modular construction.
- ▶ Stainless steel frame (AISI 304).
- ▶ Safety standard according to "EC" regulations.
- ▶ Modular machine that can be enlarged depending on the project.
- ▶ Easy access to internal components of the machine, with removable lateral covers.
- ▶ Optional additional dies available for the machines.

Ease of maintenance

- ▶ Minimum maintenance.
- ▶ Maintenance program integrated in the control panel.
- ▶ Remote Support Management (RSM). Connection is made by Ethernet with http access (internet).
- ▶ Original top level commercial components.

Solutions

High performance multi-purpose machines. With a long list of specific devices developed to meet the needs of each product to be packaged, production requirements and pack specifications, these machine models can respond to all types of packaging needs.

Most common options

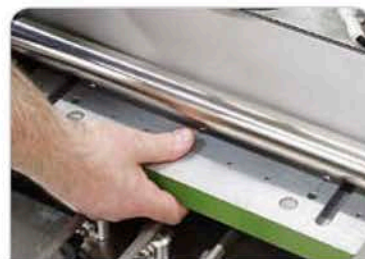
- ▶ Dosing and product loading systems.
- ▶ Die/reel holder trolley.
- ▶ Pack convergers.
- ▶ Coding and printing systems.
- ▶ UST seal test checker (ULMA seal tester).
- ▶ Metal detectors.
- ▶ Integration in end of lines.



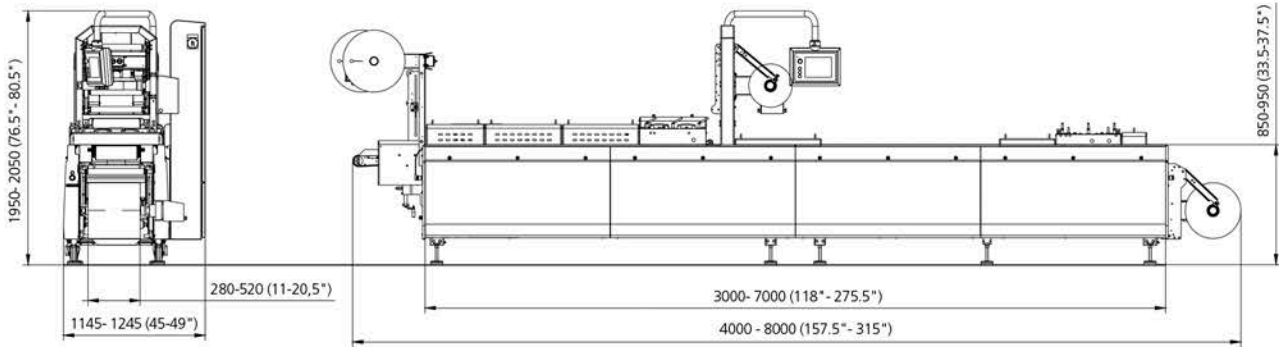
Hygienic pneumatic lifting systems



shaped cuts



Easy format change



TECHNICAL FEATURES

TFS 400

TFS 500

TECHNICAL FEATURES	TFS 400	TFS 500
FILM WIDTHS	280 - 420 mm. (11" - 16.5")	280 - 520 mm. (11" - 20.5")
AdVANCE (MAx.)	400 mm. (15.7")	500 mm. (19.6")
dEPTh (MAx.)	130 mm. (5.1")	150 mm. (5.9")
RoLL dIAMETER	Top 300 mm. (11.8") Bottom 350 mm (13.7")	Top 350 mm. (11.8") Bottom 450 mm (17.7")
CoRE dIAMETER (MAx.)	76/152 mm. (3/6")	
FRAME LENg TH	3000 - 5000 mm. (118" - 197")	4000 - 7000 mm. (157.5" - 275.5")
LoAdING AREA	*(Sizes on request expandable)	
WATER Co NSUMPTIoN	80 - 130 l/h, 10°C	
PNEUMATIC Co NSUMPTIoN	*800 - 1000 l/min, 7 - 10 bars	
ELECTRICAL SPECIFICATIo NS	230/400V. triphase +/-10% + Neutral + ground 50/60 Hz - *15-30Amp (400V), 20-63Amp (230V)	

ULMA reserves the right to change the specifications without prior notice.
 * depending on the equipment.



ULMA Packaging

Thanks to an experience of 50 years, we are a worldwide reference in the design and manufacturing of high-tech packaging systems and equipment.

By embracing innovation in our core values, and by striving to provide outstanding new solutions and services to our customers & prospective customers, we hope to surpass their expectations.

The whole world is our market, thanks to our extensive network of subsidiaries, distributors & agents.

For further information on ULMA PACKAGING products, please visit:

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