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THERMOFORMING

Mini

Packaging



# Mini

## Automatic Thermoformer

The MINI Is a thermoforming machine designed to pack food non-food or medical products. The package is created directly by the machine using two rolls of film. The film may be flexible or rigid up to 300 microns /12 mills. Vacuum with gas flushing is available as an option.

The MINI Series offers the ideal way to advance from manual packaging to automatic packaging. These machines provide an economical solution with the same cost saving advantages of larger thermoforming machines:

- Reduced Package Cost
- Increased Productivity
- Improved Product Appearance
- Faster Product Loading

The machine characteristics make it highly desirable for mixed production requirements, Since formats can be easily changed to meet the needs of the customer.

Its versatility, easy operation, and quick size change also make it suitable as a support machine for short run products.

Like all other ULMA Machines, the priority in design is given to:

- Highest quality components.
- Use of standard commercial high quality components.
- In accordance with international safety standards.
- Easy sanitation IP-65 compliance.
- Easy change of dies and tooling.
- Easy access for maintenance.
- Ease of operation.

### TECHNICAL SPECIFICATIONS

#### Construction Features:

- Stainless steel AISI 304.
- Programmable logic control system.
- Operational diagnostics.
- Parameters and error messages are displayed.
- Dies and tools are made of anodized aluminum.

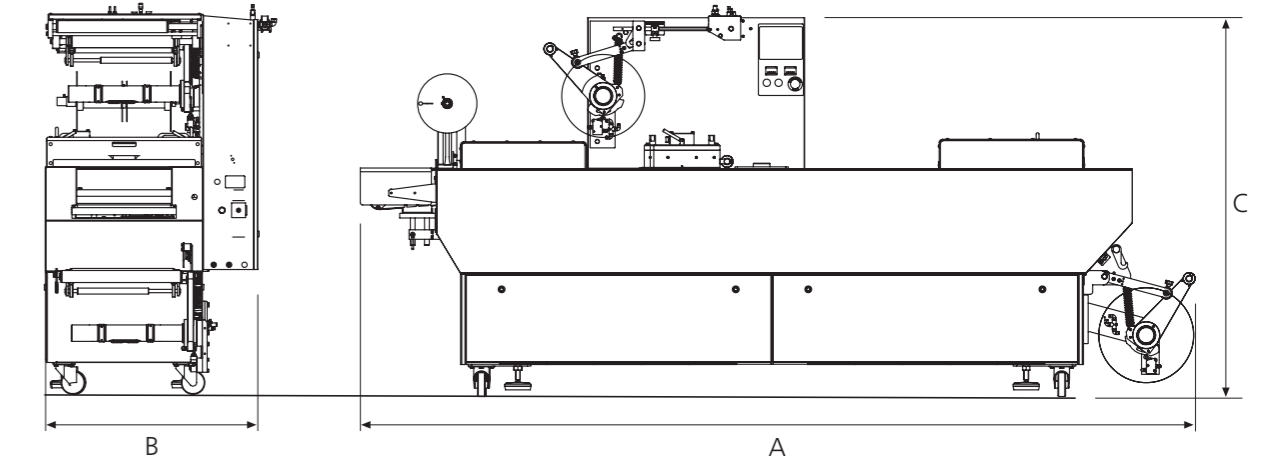
- Conforms to international "CE" safety codes, and ISO 9001 quality standards.

#### Ease of Use and Maintenance:

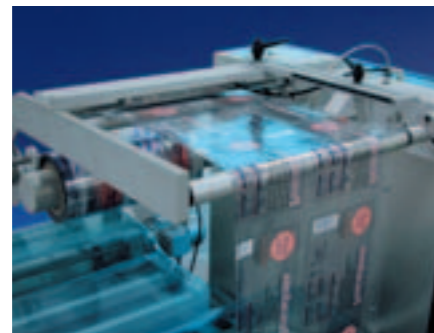
- Highly efficient.
- Memorizes data for up to 50 configurations.
- Programmable advance speed.
- Minimum maintenance.

#### Optional Devices:

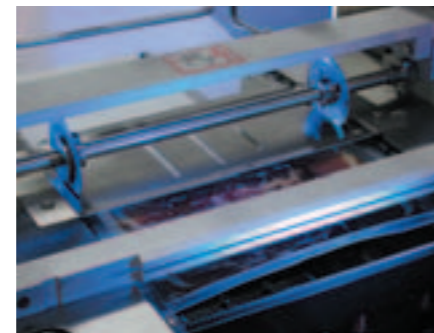
- Upper and lower printed film centering.
- Expanded loading area (except baby).
- Vacuum and gas flush systems.
- Integrable vacuum pump – 25, – 63, – or 100 m<sup>3</sup>/h.
- Special adaptations for clean rooms.
- Special components for very corrosive products.
- Integration with peripheral equipment.
- Hole punching systems for hanging product.
- Date coders.
- Re-closeable zipper attachment.
- Easy open options.
- Zig-zag knife for easy open package.
- Quick size change.



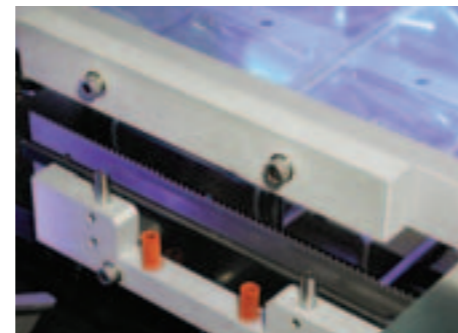
Format Change without Tools



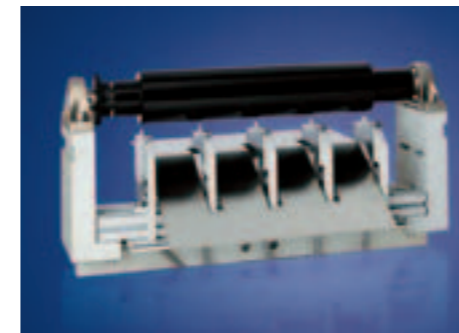
Printed Film Centering System



Longitudinal and Transversal cutting System (flexible film)



Punch System for Hanging Holes



Pneumatic Longitudinal Cutting System



Integrated vacuum pump

SPECIFICATIONS/MODELS	Baby	Mini 280	Mini 320	Mini 360	Mini 420
Maximum Advance	200 mm. (7.9")	300 mm. (11.8")	300 mm. (11.8")	300 mm. (11.8")	300 mm. (11.8")
Depth Range	5 - 40 mm. (0.2" - 1.6")	5 - 80 mm. (0.2" - 3.16")	5 - 80 mm. (0.2" - 3.16")	5 - 80 mm. (0.2" - 3.16")	5 - 80 mm. (0.2" - 3.16")
Bottom Film Width (other widths under consult)	280 mm. (11.02")	280 mm. (11.02")	320 mm. (12.6")	360 mm. (14.17")	420 mm. (16.5")
Maximum Roll Diameter	Bottom Roll 350 mm. (13.8") Top Roll 350 mm. (13.8")				
Core Diameter	76 mm. - 3"	76 mm. - 3"	76 mm. - 3"	76 mm. - 3"	76 mm. - 3"
Loading Area (depending on advance)	200 - 500 mm.		400 - 875 mm. (expandable 1 m.)		
Water Consumption	60-120 l/h. / 2 bars / 8-10° C				
Electrical Specifications	Voltage 230/400 V. Trifásico ± 10% + Neutro + Tierra - 50/60 Hz				
	Consumption	4 kW - 14 Amp. / 220 V. 4 kW - 8 Amp. / 380 V	5 kW - 18 Amp. / 220 V. 5 kW - 11 Amp. / 380 V	5 kW - 18 Amp. / 220 V. 5 kW - 11 Amp. / 380 V	5 kW - 18 Amp. / 220 V. 5 kW - 11 Amp. / 380 V
Pneumatic Consumption	400-500 l/min. / 6bars	600-800 l/min. / 6bars	600-800 l/min. / 6bars	600-800 l/min. / 6bars	600-800 l/min. / 6bars
Machine Dimensions	A B C 2700 x 650 x 1610	A B C 3450 x 770 x 1610	A B C 3450 x 770 x 1610	A B C 3450 x 770 x 1610	A B C 3450 x 770 x 1610
Approximate Weight	600 kg.	800 kg.	800 kg.	800 kg.	800 kg.

ULMA reserves the right to change specifications without prior notice.