

# THERMOFORMING MACHINES

Models | TM-050 | TM-150 | TM-250

## HEAVY-DUTY

The heavy-duty stainless steel single-piece frame carries a lifetime guarantee.

## USER-FRIENDLY

The machine's intuitive interface combined with an ergonomic design allows for easy loading and simple operation.

## EASY MAINTENANCE

The system's components are corrosion-proof and their design allows for simple and easy maintenance in order to meet the strictest hygiene standards.

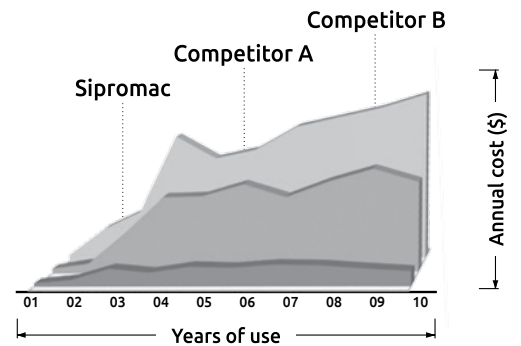
## WHY SHOULD YOU USE A THERMOFORMING MACHINE ?

- 1 Thermoformed packages are cost efficient and can be customized according to products;
- 2 Thermoforming packaging is a high-performance process ideally suited for continuous production;
- 3 To protect against external contamination and increase the shelf life of food products;
- 4 Thermoformed packages are hermetic and impervious to freezing temperatures.



## Annual maintenance cost

With the unmatched quality of its heavy-duty design and structural rigidity that help prevent premature wear and tear, Sipromac thermoforming machines offer the lowest annual maintenance cost in the industry.



# THERMORFORMING MACHINES

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## MODEL TM-050

<b>OUTPUT</b>	7 – 10 cycles / minutes	
<b>POWER SUPPLY</b>	208 V – 3 pH – 60 Hz 400 V – 3 pH – 50 Hz	
<b>COMPRESSED AIR SUPPLY</b>	23 scfm @ 80 psi	39m <sup>3</sup> /h @ 5.5 bar
<b>COOLING WATER SUPPLY</b>	Max 30 gph @ 14 psi	Max 113 liter/h @ 1 bar
<b>PACKAGING SHAPE</b>	Rectangular	
<b>FORMING FILM TYPE</b>	Flexible	Rigid up to 0.4 mm
<b>FORMING FILM WIDTH</b>	320 mm and 420 mm (12.6" and 16.5")	
<b>FORMING DEPTH</b>	16 mm to 80 mm (5/8" to 3-1/8")	
<b>CUT OFF LENGTH</b>	200 mm, 250 mm and 300 mm (7-7/8", 9-27/32" and 11-13/16")	
<b>DIE CHANGING METHOD</b>	Manual	
<b>FORMING SYSTEM</b>	Vacuum	
<b>LOADING AREA</b>	2x cut off (1 full and 2 halves)	

## PACKAGE SIZES

WEB	CUT OFF	LENGTH*	WIDTH*
320 mm	200 mm	200 mm	290 mm
320 mm	250 mm	250 mm	290 mm
320 mm	300 mm	300 mm	290 mm
420 mm	200 mm	200 mm	390 mm
420 mm	250 mm	250 mm	390 mm
420 mm	300 mm	300 mm	390 mm

\*Based on a 1 track, 1 row configuration

## POCKET FORMING SIZES

WEB	CUT OFF	LENGTH*	WIDTH*
320 mm	200 mm	185 mm	275 mm
320 mm	250 mm	235 mm	275 mm
320 mm	300 mm	285 mm	275 mm
420 mm	200 mm	185 mm	375 mm
420 mm	250 mm	235 mm	375 mm
420 mm	300 mm	285 mm	375 mm

\*Based on a 1 track, 1 row configuration

THERE ARE 48 STANDARD TOOLING CONFIGURATIONS AVAILABLE. POCKET FORMING SIZE AND SHAPE CAN BE CUSTOMIZED AS PER CUSTOMER NEEDS. CALL US FOR MORE DETAILS.

## TM-050 BASIC FEATURES

- Welded, stainless steel frame
- Stainless steel loading area
- 5/8" conveyor chain
- Schneider PLC control unit
- Touch control panel, with user-friendly interface
- Schneider servo motor drive for accurate speed control
- Electric cabinet (IP65)
- Pneumatic component cabinet
- Protection guard with electronic interlock system
- 2 independent tool lifting stations
- Trim re-winder
- Water cooled tooling
- 3 operation modes
- Automatic chain lubrication
- Cross cut guillotine (1)
- Easy changeover of sealing plates
- 100m<sup>3</sup> / 5.0 Hp Busch pump
- Exit chute
- Rotating knives (1 set)
- Active film unwinding system with dancer roll
- User manual and set of spare parts
- Stainless steel adjustable legs
- CSA Certification

## TM-050 OPTIONAL FEATURES

- Unloading conveyor system
- Printing system
- Photo cell for pre-printed film
- Quick compressed air forming capacity
- Remote diagnostic available
- Dedicated top and bottom vacuum valves
- Gas injection system (MAP)
- Multiple supply voltage
- Vacuum pump sizes
- Oxygen vacuum pumps for MAP with added 21% of oxygen mixture
- Booster pump

All features are subject to change without notice.

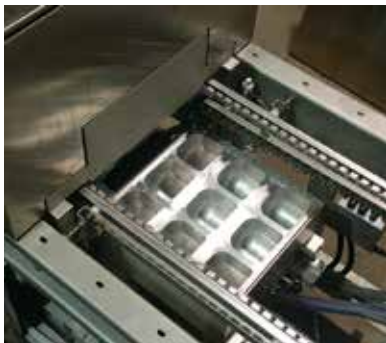
# THERMORFORMING MACHINES

Models | TM-050 | TM-150 | TM-250



## MODELS TM-150 AND TM-250

	TM-150	TM-250
<b>WIDTH OF FILM</b>	320 mm / 420 mm	420 mm / 520 mm
<b>FILM ADVANCE</b>	340 mm	500 mm
<b>DEPTH OF FORMING</b>	120 mm (std.) 150 mm (opt.)	120 mm (std.) 150 mm (opt.)
<b>POWER SUPPLY</b>	208-220 V / 3 pH / 60 Hz	208-220 V / 3 pH / 60 Hz
<b>PUMP CAPACITY (STD)</b>	100 m <sup>3</sup> 5.0 HP	255 m <sup>3</sup> 10.0 HP
<b>ROLL OUTSIDE DIAMETER</b>	14" (350 mm)	14" (350 mm)
<b>MAX. ROLL INSIDE DIAMETER</b>	3" (76 mm)	3" (76 mm)
<b>PRODUCTION CAPACITY</b>	8 to 14 cycles per min. (Max)	14 cycles per min. (Max)
<b>MICROPROCESSOR</b>	Remote mechanical commands with 6" touchscreen	Remote mechanical commands with 10" touchscreen



### TM-150 AND TM-250 BASIC FEATURES

- Welded, stainless steel frame
- Stainless steel loading area
- 5/8" conveyor chain
- Schneider PLC control unit
- Touch control panel, with user-friendly interface
- Schneider servo motor drive for accurate speed control
- Electric cabinet (IP65)
- Pneumatic component cabinet
- Protection guard with electronic interlock system
- 2 independent tool lifting stations
- Trim re-winder
- Water cooled tooling
- Quick compressed air forming capacity
- Remote diagnostic
- Easy changeover of sealing plates
- Dedicated top and bottom vacuum valves
- Rotating knives (1 set)
- Active film unwinding system with dancer roll
- User manual and set of spare parts
- Stainless steel adjustable legs
- CSA Certification

### TM-150 AND TM-250 OPTIONAL FEATURES

- Unloading conveyor system
- Coding system
- Printing system
- Thermal transfer coder
- Photo cell for pre-printed film
- Waste collector
- Automatic chain lubrication
- Choices of tooling head tracks or forming tooling drawer
- Labeling system
- Gas injection system (MAP)
- Multiple supply voltage available
- Vacuum pump sizes
- Oxygen vacuum pumps for MAP with added 21% of oxygen mixture
- Booster pump

*All features are subject to change without notice.*