



TC-S

**AUTOMATIC ROLL FED
THERMOFORMER**

TC-S is a continuous and automatic machine which is appropriate for the production of thermoformed parts from rolls. This machine has four steps: heating, molding, transversal cut, and longitudinal cut.



Sample:



ELETRO-FORMING

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GENERAL FEATURES

- It operates with plastic rolls and has an automatic unwinding system.
- Continuous and automatic cycle.
- Reinforced double chain system that transports the plastic through the machine.
- Optimized heat distribution is provided by an individual temperature control system for each zone of the oven.
- The machine has 8 temperature zones.
- Oven is designed to allow thermal expansion, manufactured in stainless steel to prevent oxidation when using PVC.
- Instantaneous vacuum is obtained through a high flow pump attached to a vacuum tank.
- Detaching device is adjusted by air pressure and time. It is useful when the molding adheres to the tool (mainly when using male tools).
- Manual movements to adjust the machine.
- It has coolers to operate with molds without water refrigeration.
- Plug assist.
- Guillotine for transversal cut of the part.
- Motorized cutting blades for longitudinal cut of the part.
- Fast pneumatic movements are achieved through the use of international manufacturer's components.
- Manual adjustment of plastic width through a self-centering screw device. It is possible to use different transversal distances in the machine to stretch the plastic.
- High-capacity PLC with easy-to-use interface. It controls the temperature zones of the oven , times , the step distance and has two product counters , besides other functions. It has a memory for 30 tools including all temperatures, times and configuration of each one.

TECHNICAL FEATURES

Output 400 cycles / hour.

Plastic grade PS, PVC, PP, PET.

Plastic thickness up to 0.04".

Molding area 23.5" x 31.5".

Maximum molding height up to 3".

Dimensions 126"(L) x 138"(W) x 99"(L).

Weight 2500 Kg.

Oven power 35 KW.

Motor power 8 KW.

Electrical consumption 15 KW.
(three-phase 220V)

Compressed air consumption 60 ft³/min.
(8 kgf/cm²)