



TC-2C

**AUTOMATIC ROLL FED
THERMOFORMER**

TC-2C is a continuous and automatic machine for the production of thermoformed and punched parts from rolls. The molding and final cut are made in the first press and the punching in the second one. Then the parts are stacked.



Samples:



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.
- The 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).
- Molding assisted by compressed air.
- Manual movements to adjust the machine.
- Plug assist.
- TC-2C series has die rules that operates against a stainless steel block located over the aluminum tool to cut the plastic. This operation is developed in the same station where the plastic is molded to reduce variations in cutting.
- Fast pneumatic movements are achieved through the use of international manufacturer's components. The presses of TC-2C series have mechanical toggles that provide a cutting force of 25 KN.
- Servo motor film transportation.
- TC-2C series is provided with a stacking device.
- 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.
- Equipped with winding device for material recycling.
- High-capacity PLC with easy -to -use interface. It controls the temperature zones of the oven, times, the step distance and two product counters, besides other functions. It has a memory for 30 tools .

TECHNICAL FEATURES

Output 600 cycles / hour.

Plastic grade PS, PVC, PP, PET.

Plastic thickness up to 0.04".

Molding area 23.5" x 15.5".

Maximum molding height up to 3.8".

Dimensions 355"(L) x 83"(W) x 98"(H).

Weight 5500 Kg.

Oven power 35 KW.

Motor power 8 KW.

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

Compressed air consumption . 100 ft³/min.
(8 kgf/cm²)