



SUPRAVAC

UNIVERSAL THERMOFORMER

SUPRAVAC is a universal automatic vacuum forming machine. The operator must only feed the machine with a plate or reel and remove the finished parts. This machine is designed for molding of blister/clamshell packaging and for manufacturing of plastic parts up to 1/4" thick, depending on its material. Supravac is build in sizes that range from 23 1/2" x 31 1/2" to 158" x 59" of useful molding area. This equipment can work with any mold fixed to its molding table.



Samples:



ELETRO-FORMING

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GENERAL SPECIFICATIONS

- The machine works with plastic plates or reels. It has a support for the plastic reel.
- Automatic cycle, excluding plastic placing and removal.
- Molds thick materials (up to 1/4") due to its control system of heating temperature and time.
- Optimized heating distribution is obtained through individual temperature control of each zone of the oven.
- The number of zones varies according to the machine size.
- Oven is designed to allow thermal expansion and is manufactured in stainless steel to prevent oxidation in case of using PVC.
- Instantaneous vacuum is obtained through the use of a high outflow pump attached to a vacuum tank.
- Detaching device is adjusted by air pressure and time. This is useful when the molding adheres to the tool (mainly when using male tools).
- Fast pneumatic movements due to the use of first-class components.
- Infrared sensor to measure sheet temperature during the heating time.
- Adjustable height of the molding table according to mold size, making possible to mold pre-printed materials.
- Manual operation mode to ease adjustment in set-up operations.
- Counter-mold for plug assistance.
- Pre blowing (billow).
- Radial fans reduce cooling time.
- High-capacity PLC with friendly interface. It controls the temperature zones of the furnace, the heating and cooling times and the temperature of the plastic during the heating period, besides other functions. It has a memory for 20 tools including all temperatures, times and configuration of each one.

Besides the molding area it is possible to select optional features to equip SUPRAVAC:

- Catalytic gas oven to replace the conventional oven. The catalytic design ensures safe operation and controlled heating temperature.
- Fans equipped with water spreading system reduce cooling time and increase productivity.

TECHNICAL SPECIFICATIONS (23,62 X 31,49 ")

Output 20 to 150 parts per hour.

Plastic grade ... PVC, PS, ABS, PMMA, PET.

Plastic thickness 0.1 to 6 mm.
(0.004 " to 1/4 ")

Molding area 600 x 800 mm.
(23 1/2 " x 31 1/2 ")

Plate size up to 650 x 850 mm.
(25 1/2 " x 33 1/2 ")

Maximum molding height ... 400 mm (16 ").

Weight 800Kg.

Dimensions 1,9L x 2,3W x 2,3H.
(75 " x 90 1/2 " x 90 1/2 ")

Oven power 12 Kw.

Motor power 5 HP.

Electrical consumption 5 to 15 Kw.

Compressed air consumption 12 cfm.
(8 kgf/cm²)

The above features may be changed in order to adjust the needs of each case.

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