



**AUTOMATIC MOULDING**

**TERMOCONFORMADORA AUTOMÁTICA**



Model: **MA**  
**35x50**

**WILSON GLOBAL INVEST** offers its MSA semiautomatic thermoforming system to meet the production requirements for medium and short series of thermoformed, die cut plastic sheets.

- Can use PS, PVC, PET-G, PE, ABS, etc. with finishes like flocking, metal, embossing...
- PVC and PS sheet rolls up to 1,2 mm thickness. PET-G up to 0,8 mm.
- Output up to 2,3 cycles/min, depending on materials, thickness and shapes
- Moulding system: by vacuum with mould lifting (and optional plug mould descent)
- Area shrink: with suitable kit
- Mould and plug-mould change: 3 minutes
- Control: through touch screen, with auto/manual functions and 40 storable programs

Its ease of use makes it the best choice for coupling to a blister packer, with welding/cutting by high frequency or heat; also for hydraulic or roller die cutters.

## PRODUCCIÓN PROCES

The film is automatically fed from the reel into the moulding area, where the swinging frame holds the film to the table. The heating chamber advances until it is above the film and, once the plastic has reached the required temperature, then withdraws. The mould ascends and the plug-mould gets down, vacuum being effected through the mould.

The plug-moulds ascends when the film is shaped. It is then cooled by means of an electrofan and the mould cooling plate. When cold, air is blown through the mould to free it.

Mould descends, the frame releases the moulded sheet which is then picked by clamps above a conveyor belt.

Next, a blade coupled to the chamber splits the moulded item from the film, the clamps open and place the item onto the conveyor, which takes it outside the machine.

## TÉCHNICAL FEATURES

- |  |                                 |
|--|---------------------------------|
| - Max. thermoforming area                  | 350 x 500 mm                    |
| - Max. thermoforming height in positive    | 240mm                           |
| - Max. thermoforming height in negative    | 130 mm                          |
| - Installed power                          | 4,9 kW                          |
| - Power tension                            | 400 V 3F+N+TT 50-60Hz           |
| - Max. compressed air consumption (6 bar)  | 84 NI / cycle                   |
| - Max. cooling water consumption (approx.) | 2 liter/minute                  |
| - Heating chamber power                    | 3,44 kW (adjustable in 6 zones) |
| - Vacuum pump                              | 20 m <sup>3</sup> /h            |
| - Dimensions:                              |                                 |
| Height                                     | 1,65 (2,63) m                   |
| Width                                      | 2,35 m                          |
| Depth                                      | 1,49 m                          |
| - Weight                                   | 730 kg                          |

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MAQUINARIA DE TERMOCONFORMADO  
Y ENVASADO BLISTER O SKIN-PACK