Automatic single station Vacuum Forming machine. It has two high-output ovens, ideal for thermoforming thick sheets. It thermoforms all kinds of thermoplastics, including PEAD, PP, PC and Acrylic.
TECHNICAL FEATURES

Automatic cycle unless loading sheet and part removal (optional automatic loading/unloading system).
In addition to choosing the size of the molding area, SUPRAVAC-2 can be equipped with optional items.
1-year guarantee on all parts and components.

TOP FRAME
Continuous adjustment frame to speed up the sheet size change.

FRAME REDUCTION
Fast fixed frame changing system.

QUICK MOLD CHANGE
• Fast mold changing with transfer spheres on the mold table.
• Mold and plug fixtures by automatic clamping system (optional).

OVENS
• More heating accuracy and more energy saving.
• Temperature control for each zone (PID auto tuning).
• Ovens with Ceramic infrared heaters.
• Infrared sheet temperature control sensor (optional).
• Ovens designed to save energy (cycle 30% of installed power).
• Heating distribution through resistance zones (zones up to 250 x 200mm).

CLOSED MOLDING BOX/ SAG
• Sag control system during heating. This avoid the material to fall into the bottom heater and keeps it as flat as possible to achieve higher part quality and lower heating time.
• Pre blow height control sensor.
• Smoke fan extractor during cooling.
**PLUG/ FRAME PRESS SYSTEM**
- Pneumatic or servo plug assist actuator (optional).
- Possibility to equip with sliding parts in the plug assist.
- Automatic width-adjusting frame press control for quick set up.

**BLOWER**
- Centrifugal high-flow blowers with low noise.
- Possibility to include water spray blowers to reduce piece cooling time (optional).

**VACCUM SYSTEM**
- Vacuum system equipped with different stages of pressure x flow. Enables high flow output during molding and high negative vacuum pressure for greater end product definition.
- Equipped with high pressure oil sealed vacuum pump associated with negative pressure vessels.
- Compressed air to extract thermoformed part from the mold.
- Vacuum Tanks complying with occupational safety standard for machinery and equipment.

**MMI PANEL**

**AUTOMATIC ALIGNER/ BATCH**
- Automatic plate alignment system on a pallet; The first sheet of the stack is each cycle aligned with the machine for automatic feeding.
- Allows continuous cycle without operator.

**TABLE**
- Table with pneumatic actuators or servomotors.
- Rack alignment system.
- Manifold configurable Vacuum hose inlets at center of table or at the mold side.
- Operates with male and female molds.
- Temperature control for mold heating/ cooling (purchased separately).

**AUTOMATIC FEEDER**
- Sheets feeding and removal of finished parts.
- Feed table movement with servomotors.
- Suction cups with vacuum zones to pick up sheets.
- Possibility of using textured sheets.

**In accordance with safety standards**

**Lakatos 4.0**
Connectivity, integration and remote maintenance for your shop floor.
WHY IS SUPRAVAC 2 BETTER?
• Robust for a 24h work.
• First-class components.

QUALITY OF FINISHED PRODUCT
• Great forming quality.
• Better part thickness distribution. Ideal for PP, PEAD, PC and Acrylic.

MOLD ADVANTAGES
• Quick mold setup/change.
• Low cost molds.

<table>
<thead>
<tr>
<th>Thickness/Plastic type</th>
<th>PS, ABS, PET, PVC (cycles/hour)</th>
<th>PE and PP (cycles/hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1mm</td>
<td>42 to 64</td>
<td>28 to 41</td>
</tr>
<tr>
<td>2mm</td>
<td>28 to 42</td>
<td>18 to 27</td>
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<tr>
<td>3mm</td>
<td>20 to 30</td>
<td>13 to 20</td>
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<tr>
<td>4mm</td>
<td>16 to 24</td>
<td>10 to 16</td>
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<tr>
<td>5mm</td>
<td>13 to 19</td>
<td>8 to 12</td>
</tr>
<tr>
<td>6mm</td>
<td>10 to 16</td>
<td>7 to 10</td>
</tr>
</tbody>
</table>