babyplast
The System

Vertical injection molding machine

Piston diameter (mm):     10 12 14 16 18
Volume (cm³):    4 6,5 9 12 15
Injection pressure (Kg/cm³):  20 30 18 50 13 40 10 30 8 15

clamping force (KN):    62,5 kN
Minimum mold height:      119 mm
Maximum distance between platens:  229 mm
Opening stroke mm: 110 mm
Ejector force: 7,5 KN
Ejector stroke: 50 mm
Fixed platen WxL: 246x173 mm
Mobile platen WxL: 128x155 mm
Oil tank capacity: 16 l
Power consumption: 3 KW
Weight: 350 Kg
Power supply: 3ph -230/400V-50/60Hz
Noise level: <70dBA

We reserve the right to make modifications at any time. Updated Jan 2018

Contact For North American Sales and Technical Support:
Ph: 909.941.0600 • Email: info@albaent.com
www.ALBAENT.com
The smallest specialist for insert molding
no tie bars

vertical injection molding machine Babyplast 6/10 VP

Compact size Maximum performance

Precision

The vertical Babyplast 6/10VP injection molding machine, guarantees maximum precision, thanks to injection by piston and pre-plastification.

To obtain an optimum shot weight, 8 different piston diameters are available

Maximum performance for insert molding

- Compact molds that occupy minimum space
- User friendly
- Low power consumption
- Perfect for integration directly into an assembly line

Easy to consult and user friendly display

- Color touch screen display
- User friendly
- Memory for over 100 mold settings
- Back-up on USB memory drive
- Record log of last 20 cycles
- Ethernet: modbus TCP connections

"V" table

- Mold with two lower (fixed) parts
- Ideal for inserts
- Small foot print

Accessories:

- Chiller
- Drier
- Loader for plastic materials (electric or Venturi)
- Temperature controller for molds
- Electrical cabinet for accessories
- Air blow
- Special spec. For high temperature materials
- Hot runners
- Output for wiper arm to reject parts
The vertical Babyplast 6/10VP injection molding machine guarantees maximum precision, thanks to injection by piston and pre-plastification. To obtain an optimum shot weight, 8 different piston diameters are available.

Rotating table
- Perfect for integration directly into an assembly line
- 2 station table – diam. 600mm
- 180° rotation in 2 secs.
- Light barriers

Standard features:
- Quality control (cycle time/cushion/injection time.)
- Automatic shut down in case of alarms or out of tolerances.
- Decompression
- Two injection pressures
- 3 injection positions
- Tolerance band for temperatures
- PID temperature control
- Temperature in stand-by
- Speed control on all movements
- Mold safety
- 2 clamp speeds
- Central ejector with up to 9 shots
- Adjustable speed and pressure on ejection
- Ejector return sensor
- User friendly
- Multi lingual
- Memory for over 100 mold settings
- Part counter – Settings for production batches
- Integrated water manifold with 4 cooling zones
- Back-up on USB memory drive
- Intrusion programme
- Hour meter
- Sprue break
- Transducer on clamp and injection piston
- Pressure control using electronic pressure transducer
- Motor controlled by inverter
- Color touch screen display
- 4th zone for mold temperature control
- Double start buttons.

Optional features:
- Mixer nozzle (static mixer)
- Euromap 67
- Accumulator for injection speed
- Shut off nozzle
- Nozzle with tip for injecting directly into part.
- 5th heater zone for mold temperature control
- Hydraulic or pneumatic core pull
- Ethernet modbus
- LSR injection unit
- Rotating table
- Air blow
- Special spec. For high temperature materials
- Hot runners
- Output for wiper arm to reject parts

Accessories:
- Chiller
- Drier
- Loader for plastic materials (electric or Venturi)
- Temperature controller for molds
- Electrical cabinet for accessories
### Vertical Injection Molding Machine 6/10 VP

#### Technical Data

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Piston Diameter (mm):</td>
<td>10 12 14 16 18</td>
<td>16 18 20 22 24</td>
<td>110 mm</td>
<td>7.5 KN</td>
<td>50 mm</td>
<td>246x173 mm</td>
<td>128x155 mm</td>
<td>16 l</td>
<td>3 KW</td>
<td>350 Kg</td>
<td>3ph-230/400V-50/60Hz</td>
<td>&lt;70dBA</td>
</tr>
<tr>
<td>Volume (cm³):</td>
<td>4 6.5 9 12 15</td>
<td>16 20 25 30 36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Injection Pressure (Kg/cm³):</td>
<td>2030 1850 1340 1030 815</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clamping Force (KN):</td>
<td>62.5 kN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Mold Height:</td>
<td>119 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Distance Between Platen:</td>
<td>229 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Contact For North American Sales and Technical Support**

ALBA ENTERPRISES, LLC
2730 Monterey Street Suite 103, Torrance, CA 90503
PH: 909.941.0600  •  800.432.6653  •  FX: 909.941.0190
Email: info@albaent.com  •  www.ALBAENT.com