

HT-7-1 HORIZONTAL THERMOFORMER



MACHINE SPECIFICATION

ELEMENT	SPECIFICATION	
Machine Capabilities	Maximum forming aperture: Minimum forming aperture: Maximum tool height: Maximum tool push through: Maximum sheet thickness: Cycles per hour (4mm cast acrylic):	2057 x 1778mm 700 x 1000mm 700mm 250mm 8mm 12 cycles
Machine Construction	Main frame: Casing: Paint finish:	Rolled steel sections – BS EN 10025 material Sheet steel – BS EN 10025 material Textured powder coating
Clamping Bars	Material: Adjustment:	Extruded aluminium profile – Armour design By precision linear slides & make up pieces

Heating System	<p>Top and Bottom banks of quartz infra-red heating elements</p> <p>Element size: 112 x 112mm</p> <p>Element power: 450W</p> <p>Total elements per heater bank: 448</p> <p>Element distribution: 8 wide x 27 deep</p> <p>Number of heating zones: 224 (each containing 1 top & 1 bottom element)</p> <p>Zone control: Software controlled</p> <p>Power: 0 – 100% in 1% increments</p>
Mould Table Movement	By hydraulic power through mechanical gearing
Sheet Loader	Scissor lift: Hydraulic powered
Vacuum System	<p>Vacuum pump motor rating (when supplied): 5.5kW</p> <p>Vacuum pump flow rate: 250m³/hr</p> <p>Programmable double vacuum facility</p>
Product cooling	<p>By cooling fans with directional adjustment</p> <p>Number of fans: 6</p> <p>Flow rate per fan: 6020m³/hr</p>
Auto Product Removal	<p>By pneumatically lifting vacuum cups</p> <p>Number of vacuum cups: 6</p>
Mould Heating Facility	<p>Power rating (when supplied): 9kW</p> <p>On/Off timer from control system</p>
Safety	Forming station light guard protected
Control System	<p>Mitsubishi PLC controlled sequence.</p> <p>Touch screen user interface.</p> <p>Ethernet connection for remote diagnostic interrogation.</p>
Compressed Air	<p>Minimum pressure: 5.5 Bar</p> <p>Dry filtered supply</p>
Electricity	3 Phase supply + Neutral + Earth: 380/415V @ 50Hz

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