

**HT-6-2  
DOUBLE STATION HORIZONTAL  
THERMOFORMER**



**MACHINE SPECIFICATION**

ELEMENT	SPECIFICATION	
Machine Capabilities	Number of moulding positions:	2 (1 per station)
	Maximum forming aperture:	1810 x 1010mm
	Minimum forming aperture:	700 x 700mm
	Maximum tool height:	500mm
	Maximum tool push through:	250mm
	Cycles per hour (4mm Acrylic capped ABS):	12 cycles
	Products per hour:	24
Machine Construction	Main frame:	Rolled steel sections – BS EN 10025 material
	Casing:	Sheet steel – BS EN 10025 material
	Paint finish:	Textured powder coating
Clamping Bars	Material:	Extruded aluminium profile – Armour design
	Adjustment:	By precision linear slides & make up pieces

Heating System	<p>Top bank 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: 144 per bank (2 banks, 1 top 1 bottom)</p> <p>Element distribution: 9 wide x 16 deep per bank</p> <p>Number of heating zones: 144 per bank (each containing 1 top element and 1 bottom)</p> <p>Zone control: Software controlled Power: 0 – 100% in 1% increments</p>
Mould Table Movement	By hydraulic power through mechanical gearing
Vacuum System	<p>Vacuum pump motor rating (when supplied): 5.5kW</p> <p>Vacuum pump flow rate: 250m<sup>3</sup>/hr</p> <p>Programmable double vacuum facility</p>
Product cooling	<p>By cooling fans with directional adjustment</p> <p>Number of fans: 4 per moulding position 8 total</p> <p>Flow rate per fan: 6020m<sup>3</sup>/hr</p>
Mould Heating Facility	<p>Power rating (when supplied): 9kW</p> <p>On/Off timer from control system</p>
Safety	Forming stations 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

*For further information contact*

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