Formech HD Series

Automatic Vacuum Forming Machines

First introduced in 2002, Formech's HD range established a new price-performance ratio for automatic production class machines. Efficient heat management, ease of use, compact footprint and accessible price are instrumental to the internationally successful HD range as trusted by many world-class companies. HD series advancements include 'FCV' (Formech Cycle View) control interface with 10" high resolution touch-screen. Machine cycle status is clearly visible at a glance and all parameters can be adjusted in real time without interrupting the current cycle. By working closely with HD customers all over the world Formech has developed an intuitive, graphically driven interface suitable for operators of all experience levels. Generous standard specification and an extensive range of options including twin heaters for the most demanding materials mark the HD Series as a cost effective and highly adaptable machine range. Apple Inc., Nestle and Cambridge University are amongst the first customers to benefit from Formech's HD Series.

Key Features

- PLC Control with 10" Hi-res Touch Screen
- FCV® (Formech Cycle View) with 40 Programme Memory
- Quartz Heaters with Variable Standby
- 16 Independently Controllable Heating Zones
- Pneumatic Heater Drive
- Pneumatically Powered Clamping Frame
- Pneumatic Table with Regulator
- Table Height Adjust
- Pre-stretch
- Auto-level
- Vacuum Flow Regulator
- Vacuum Receiver Tank
- Vacuum and Pressure Gauges
- Safety Light Curtain
- Two Cooling Fans
- Multi User Pin Access Control
- Oil Filled Rotary Vane Pump 18m3/h (HD686/750)
- Heater / table interlock override

Options

- Reducing Windows
- Plug Assist with Speed Regulator
- Reel Feed
- Spray Mist
- Cooling Bolster
- Heating Pyrometer
- Cooling Pyrometer
- Upgrade Heating Zones
- Upgrade Cooling System
- Double heater
- Ceramic Heaters
- Servo Plug assist
- Servo Table
- FA Remote Connectivity
- Spare Parts Kit

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Technical Specifications HD686

Forming Area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater Type	Width
647 x 622mm / 25.5 x 24.5"	686 x 660mm / 27 x 26"	350mm / 13.8"	6mm / 0.25" [1]	16	Quartz	1673mm / 65.9"

Height	Max Height with Plug Assist	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
2440mm / 96.1"	2696mm / 106.1"	2600mm / 102.4"	750kg / 1653lbs	n/a	380-415V / 32A [2]	208-220V / 40A [2]	11.0kW	87 PSI / 6 bar

Technical Specifications HD750

Forming Area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater Type	Width
700 x 500mm / 27.5 x 19.7"	750 x 540mm / 29.5 x 21.2"	350mm / 13.8"	6mm / 0.25" [1]	16	Quartz	1673mm / 65.9"

Height	Max Height with Plug Assist	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
2440mm / 96.1"	2696mm / 106.1"	2600mm / 102.4"	750kg / 1653lbs	n/a	380-415V / 32A [2]	208-220V / 40A [2]	11.0kW	87 PSI / 6 bar

[1] certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified
[2] current may be higher depending on machine options selected

Formech HD Series customers include:

- Cambridge University (Education – UK)
- Bahrain University (Education – Bahrain)
- INSA (Education – France)
- Nestle France (Chocolate & Confectionary - France)
- Nestle Switzerland (Chocolate & Confectionary)
- Comco Plastics (Sign Making / Displays – USA)

- Interform (Trade Former / Tool Maker - UK)
- DPS Designs (Tool Maker – UK)
- Berry Plastics Corp (Design – USA)
- Giannuzzi (Aerospace – Italy)
- Apple Inc (R&D – USA)
- Makita (Packaging – UK)

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Formech machine features and specifications are subject to change without notice as part of our continual product development programme.

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