

Formech 508DT

Desktop Vacuum Forming Machine

Featuring PLC touch screen control, Formech's plug and play 508DT is a user friendly desktop machine with the power and capability to form demanding shapes and materials. Rapid, energy efficient quartz heaters with variable standby means the 508DT is ready to form in

less than 5 minutes. 20 programme memory to recall heater profile and timing settings for each project. A dedicated trolley option provides a minimal footprint with the convenience of portability and optimum working height.



Key Features

- PLC Control with 4" Mono Touch Screen
- 20 Programme Memory
- Quartz Heaters with Variable Standby
- 4 Independently Controllable Heating Zones
- Safety Interlock
- Vacuum & Release
- Vacuum Gauge

Options

- Reducing Windows
- Dedicated Trolley
- Reel Feed
- Starter Pack of Plastic
- Spare Parts Kit

Technical Specifications

Forming Area (mm / inches)			Sheet Size (mm / inches)		Max Depth of Draw	Max Material Thickness	Heating Zones	Heater Type
482 x 432mm / 19 x 17"			508 x 457mm / 20 x 18"		185mm / 7.3"	*6mm / 0.25"	4	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
720mm / 28.4"	538mm / 21.2"	1394mm / 54.9"	100kg / 220lbs	208-240V / 13A	n/a	n/a	3.2kW	n/a

*certain materials over 4mm thick may require turning the sheet mid-cycle

Formech 508DT customers include:

- Central St. Martins (Education – UK)
- Yale University of Architecture (Education and Model Making – USA)
- Decathlon (Sports apparel R&D – France)
- Nike (Sports apparel R&D – USA)
- Reebok (Sports apparel R&D – USA)
- Under Armour (Sports apparel R&D – USA)
- Hershey Chocolate (Chocolatier USA)
- Aardman Animation (Film design – UK)
- Siemens (Prototyping/R&D – Italy)
- L'Oréal (Cosmetics – France)
- LaserTag GmbH (Toy Makers – Germany)
- Baumann Dental GmbH (Medical – Germany)
- Fa. Edelmann (Tool makers – Germany)
- Espada Almacenes (Packaging – Spain)
- BDN Packaging Ltd (Packaging – UK)
- Techniks Bvba (Chocolate & Confectionery – Belgium)
- SAS Dupont (R&D – France)

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Formech's 508FS (Floor-Standing) machine offers significant advantages over the desktop series with pre-stretch, auto-level and a much more powerful flow rate for demanding applications. Pre-Stretch allows the user to blow a bubble of air into the heated material, which avoids thinning of material when forming deep shapes. Auto-Level pumps short bursts of air under the heated plastic to maintain an even distance between the heater and sheet, whilst providing

the user an audible indication that the material is ready to form. Intuitive, graphically driven touch-screen control with memory function makes the 508FS very easy to use, whilst powerful forming capabilities provide extensive project versatility. Higher Wattage Quartz heaters (vs. 508DT) further enhance the 508FS capability.



Key Features

- PLC Control with 4" Mono Touch Screen
- 20 Programme Memory
- Pre-stretch
- Auto-level
- Quartz Heaters with Variable Standby
- 4 Independently Controllable Heating Zones
- Vacuum & Release
- Vacuum Gauge
- Dry Rotary Vane Pump 10m³/HR

Options

- Reducing Windows
- Cooling Fan System
- Reel Feed
- Starter Pack of Plastic
- Mobility with Castors
- Vacuum Receiver Tank
- Spare Parts Kit

Technical Specifications

Forming Area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater Type
482 x 432mm / 19 x 17"	508 x 457mm / 20 x 18"	290mm / 11.5"	*6mm / 0.25"	4	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
757mm / 29.8"	1140mm / 44.9"	1474mm / 58"	125kg / 275lbs	208-240V / 20A	n/a	n/a	3.5kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle

Formech 508FS customers include:

- University of Rochester (Education – USA)
- ETH Zurich (Education – Switzerland)
- KTH (Education – Sweden)
- University of the Arts London (Education – UK)
- University of Teeside (Education – UK)
- Universzita Tomase Bati ve Zline (Education – Czech Republic)
- Universidade do Minho (Education – Portugal)
- Tourbillon Patisserie (Chocolatier – France)
- Sodebo (Chocolatier – France)
- Harmac Medical Products (Medical – USA)
- Serco (Defence R&D – UK)
- Apple Inc (Prototyping/R&D – USA)
- Cyberdroid (Prototyping / R&D / Robotics – France)
- University of Nottingham (Education – UK)
- PT Kawan Lama Sejahtera (Education – Indonesia)
- Blackhawk Industrial (R&D – USA)
- Airborn (Packaging – USA)
- Ligier Group (Automotive – France)

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