


The cover features a large, vibrant pink shape on the left side, which tapers towards the top right. The background is white with a subtle grid of small grey dots. Below the pink shape, there are several overlapping, curved shapes in shades of blue and dark blue, creating a dynamic, layered effect.

E-Catalogue June 2015

Formech
Perfectly formed

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Vacuum Forming Machinery

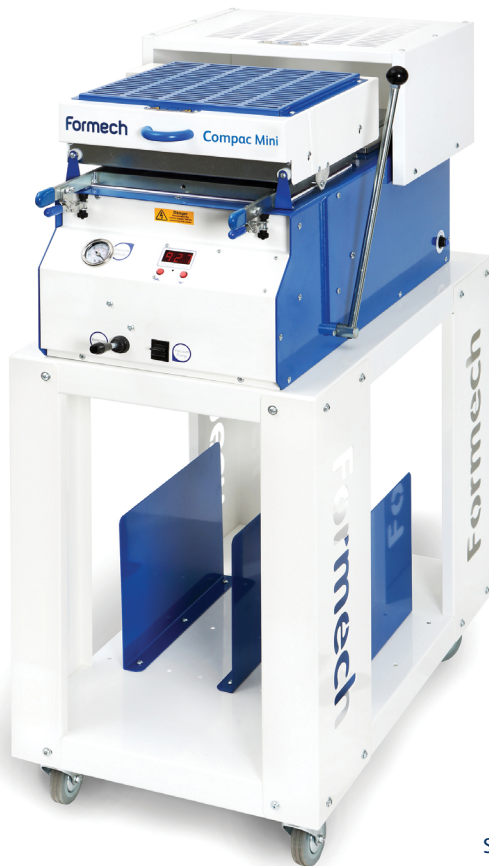


Formech Compac Mini

Desktop Vacuum Forming Machine

Easy to operate and experiment with, Formech's plug n' play single zone compac mini is the perfect solution for hobbyists and first time users. Incredibly compact and efficient with the latest quartz heaters, yet hugely capable and robust enough for professional use.

Formech's interlocking feature prevents the table from being raised whilst the heater is in the forward position ensuring safe operation for inexperienced operators. A digital timer with audible warning helps achieve consistent cycle times.



> Watch the video

Key Features

- Quartz Heaters
- Safety Interlock
- Vacuum & Release
- Vacuum Gauge
- Digital Timer

Options

- Reducing Windows
- Trolley
- Spare Parts Kit

Shown with optional trolley.

Technical Specifications

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
230 x 280mm / 9 x 11"	250 x 300mm / 10 x 12"	130mm / 5"	4mm / 0.15"	1	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
490mm / 19"	440mm / 17"	820mm / 32"	33kg	208-240V / 13A	n/a	n/a	0.75kW	n/a

Formech Compac Mini customers include:

- Clear Step (Medical – UK)
- Anahuac (Education – Mexico)
- Ecole de Technologie Superieure (Education – Canada)
- Cacao Prieto (Artisan Chocolatier – USA)
- Cocoa Atelier (Artisan Chocolatier – Ireland)
- Claremont Secondary School (Education – Canada)
- Coining of America (Preforms – USA)
- Motorola (R&D – USA)
- Hallmark Cards (Prototyping – USA)
- Chicago School of Mold Making (Education – USA)
- Lutron Electronics (Electronics – USA)
- Inserm (Education – France)
- Laney College (Education – USA)
- Cr8 Packaging GmbH (Packaging – Germany)
- NAFENA Industries sp. z o.o. (Construction – Poland)
- Chocolate Tree (Chocolate & Confectionery – UK)
- Rick Jordan Chocolatier (Chocolate & Confectionery – USA)

For more information and product videos [formech.com](https://www.formech.com)

Formech 300XQ

Desktop Vacuum Forming Machine

Formech's 300XQ is the world's leading vacuum forming machine for education and product design. Four heating zones and quartz heaters provide rapid heat response with a greater range of control to

form challenging shapes and materials. Easy to use and highly versatile the 300XQ can adapt to a wide range of applications with class-leading power and efficiency.

> [Watch the video](#)



Shown with optional trolley.

Key Features

- Quartz Heaters with variable standby
- 4 independently controllable heating zones
- Safety Interlock
- Vacuum & Release
- Vacuum Gauge
- Digital Timer

Options

- Reducing windows
- Dedicated trolley
- Reel Feed
- Spare parts kit

Technical Specifications

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
430 x 280mm / 17 x 11"	450 x 300mm / 18 x 12"	160mm / 7"	*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
650mm / 25"	530mm / 20"	970mm / 38"	75kg / 132lbs	208-240V / 13A	n/a	n/a	2.3kW	n/a

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

Formech 300XQ customers include:

- Louisiana Tech University (Education – USA)
- University of Arkansas (Education – USA)
- University of Western Ontario (Education – Canada)
- Bezirksregierung Arnsberg (Education – Germany)
- Lancaster University (Education – UK)
- Roundhill Academy (Education – UK)
- Watford Boys Grammar School (Education – UK)
- Deltion College (Education – Netherlands)
- Nestle R&D Center Inc (Chocolate & Confectionery – USA)
- Chocolaterie du Haut Giffre (Chocolate & Confectionery – France)
- Creation Chocolat (Chocolate & Confectionery – France)
- Trestle Theatre (Film & Theatre – UK)
- English National Opera (Film & Theatre – UK)
- Daktari Diagnostics Inc (Medical – USA)
- New Jersey Institute of Technology (R&D – USA)
- Clarks (Textiles & Apparel – UK)
- Lush Manufacturing BC (Cosmetics – Canada)
- The Peninsula Paris (Chocolate & Confectionery – France)
- Ultradent Products, Inc. (Medical – USA)
- University of Kentucky (Education – USA)

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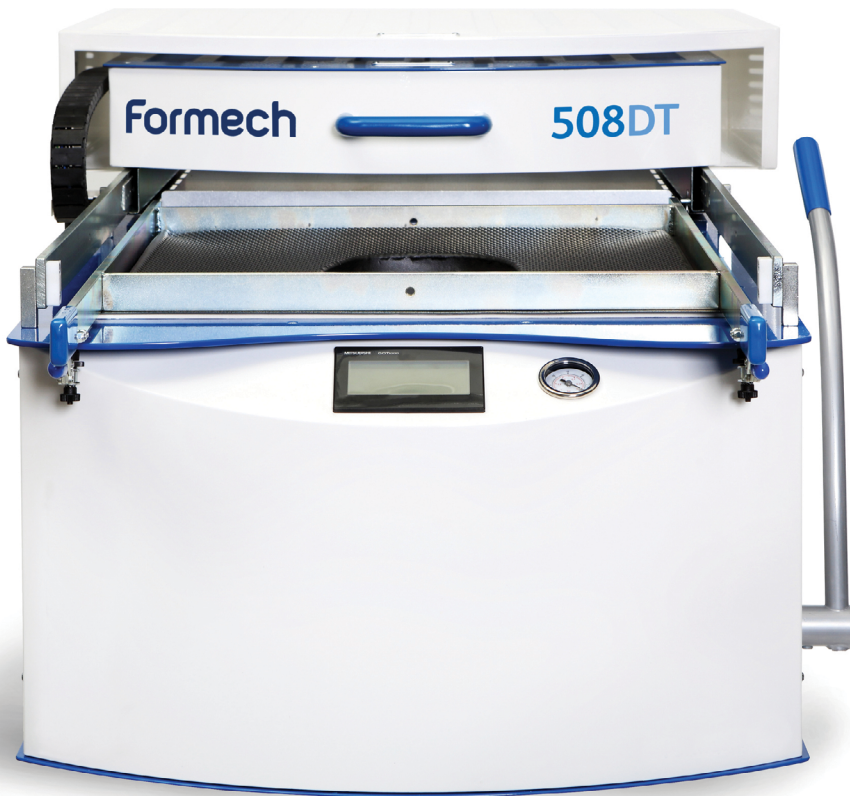
Formech 508DT

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. 12 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.

> [Watch the video](#)



Key Features

- PLC control with 4" mono touch screen
- 12 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
- 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
730mm / 28.7"	540mm / 21.3"	1400mm / 55.1"	100kg / 200lbs	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 508FS

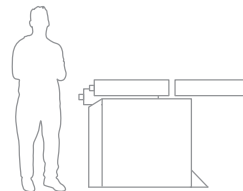
Floor Standing Vacuum Forming Machine

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.



> Watch the video



Key Features

- PLC control with 4" mono touch screen
- 12 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
- 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
730mm / 28.7"	1200mm / 47.25"	1400mm / 55.1"	125kg / 264lbs	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)

For more information and product videos formech.com

Formech 686

Floor Standing Vacuum Forming Machine

Featuring a power table, Formech's 686 makes light work of the most demanding applications. Pre-stretch provides a more uniform material thickness for deep moulds whilst auto-level signals to the user the material is ready to form. Rapid response quartz heaters

with 6 independently controllable zones provides accurate heat control for consistent, high definition results. Intuitive colour touch screen interface and 20 nameable presets provide ultimate user convenience and ease of use.



> Watch the video

Key Features

- PLC control with 5" colour touch screen control
- 20 Programme Memory
- Quartz heaters with variable standby
- 6 independently controllable heating zones
- Power Table
- Pre-Stretch
- Auto-level
- Vacuum Gauge
- Dry rotary vane pump 16m³/HR

Options

- Reducing windows
- Pyrometer
- Cooling fan system
- Cooling Bolster
- Reel Feed
- Spare parts kit

Technical Specifications

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
646 x 620mm / 25.5 x 24.5"	686 x 660mm / 27 x 26"	325mm / 12.8"	Sheet: *6mm / 0.25" Reel: 1.8mm/0.07"	6	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
960mm / 37.8"	1170mm / 46.1"	1800mm / 70.9"	260kg / 573lbs	208-240V / 40A	380-415V / 32A	208-220V / 40A	8.0kW	80 PSI / 5 bar

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

Formech 686 customers include:

- Brunel University (Education – UK)
- Domus Academy (Education/Design – Italy)
- Lockheed Martin (Aerospace – USA)
- RAF (Royal Air Force – UK)
- Skoda (Automotive – Czech Republic)
- Mechachrome (Automotive – France)
- Raytheon (Defence R&D – UK)
- Revision Military (Defence R&D – USA)
- Xerox (R&D – USA)
- Jim Marshall Speakers (Prototyping – USA)
- Neurospin (Neuroimaging research – France)
- Microsoft (Electronics – USA)
- Google (Electronics – USA)
- Milan Cerny - Sklotex Plasty (Trade Former – Czech Republic)
- Polyfoam Kautschuk GmbH (Trade former – Germany)
- Kaleidoscope (Prototype Packaging – USA)
- Biofire Defense (Hospital & Medical – USA)
- Chuck Steel Ltd (Film & Video – UK)

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Formech 1372

Large Format Vacuum Forming Machine

A popular choice for film and theatre set designers, universities, automotive and aerospace R&D departments the 1372 offers a powerful combination of large forming area and wide forming capabilities at a very attractive price.

An extensive range of options including automation, heating, cooling, control and vacuum reservoir marks the 1372 as a highly versatile and adaptable machine. A heating zone and control upgrade facilitate precise heating profiles suited to advanced engineering plastics.



Shown with twin cooling fan option.

Key Features

- PLC control with 6" colour touch screen control
- 20 Programme Memory
- Quartz heaters with variable standby
- 15 independently controllable heating zones
- Power Table
- Table Height Adjust
- Pre-Stretch
- Auto-level
- Vacuum and pressure gauges
- Dry rotary vane pump 25m³/HR

Options

- SA – Semi-Auto Package (Electric heater drive & pneumatic clamps)
- HP – High Performance Package (55 heating zones with heating pyro, upgraded control system and high res 7" touch-screen)
- VT – Vacuum Tank Package (Vacuum receiver tank, upgrade to oil vane pump and control system)
- Heavy Duty Clamping System
- Twin Cooling Fan System
- Cooling Bolster
- Reel Feed
- Reducing Windows
- Spare Parts Kit

Technical Specifications

Forming area (mm / inches)		Sheet Size (mm / inches)		Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
1330 x 620mm / 52.4 x 24.5"		1372 x 660mm / 54 x 26"		420mm / 16.9"	*6mm / 0.25"	15	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
2000mm / 78.7"	1320mm / 52"	2140mm / 84.2"	600kg / 1300 lbs	n/a	380-415V / 40A	208-220V / 63A	17.0kW	80 PSI / 5 bar

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

Formech 1372 customers include:

- Bristol University (Education – UK)
- Ecole Superior Aveiro Norte (Education – Portugal)
- Orange Coast College (Education – USA)
- EPFL (Education – Switzerland)
- Expressway Graphic Corp (Sign maker – Puerto Rico)
- Disney (Set/Prop design – France)
- Science Museum (Set/Prop Design – UK)
- Helsinki Royal Opera House (Set/Prop Design – Finland)
- VW Group (Automotive – Germany)
- Ford Motor Company (Automotive R&D – USA)
- Tesla Motors (Automotive R&D – USA)
- Hindustan Aeronautics (Aerospace R&D – India)
- Walt Disney (Theatre & Drama – USA)

For more information and product videos formech.com

Formech 1250/1500

Semi-Automatic, Large Format Vacuum Forming Machines

Featuring the intuitive 'FCV' (Formech Cycle View) user interface with a 7" touch-screen, the large sheet format 1250/1500 series is particularly well suited to automotive and aerospace R&D, sign and display applications and film & theatre set design. Electric heater drive, pneumatic table and clamping provides effortless operation, whilst the vacuum tank system

fitted as standard facilitates ultra-fast response for demanding applications and fast cycle times. Designed to utilise sheet sizes of 1220 x 1220mm or 1250 x 1250mm (1250) / 1500 x 1000mm (1500), Formech's 1250/1500 series affords the operator a hands on approach versus more costly and fully guarded automatic machines.

> Watch the video



Key Features

- PLC control with 7" hi-res touch screen
- Formech Cycle View with 40 Programme Memory
- Quartz heaters with variable standby
- 25 (1250) / 18 (1500) independently controllable heating zones
- Electric Heater Drive
- Pneumatic Trigger Clamps
- Power Table
- Table Height Adjust
- Pre-Stretch
- Auto-level
- Vacuum Receiver Tank
- Vacuum Gauge
- Twin Cooling Fans
- Oil filled rotary vane pump 21m3/HR

Options

- Cooling Bolster
- Vacuum Flow Regulator
- Reducing Windows
- Pyrometer
- Spare Parts Kit

Formech 1250/1500 customers include:

- KKTM Technical College (Education – Malaysia)
- Big Apple Visual Group (Sign making / Displays – USA)
- US Candy Network (Netherlands)
- Adornos (Sign making / Displays – Spain)
- Jurgen Ahrberg (Sign Making / Displays – Germany)
- Bolshoi Ballet Moscow (Theatre Set Design – Russia)
- Helsinki Theatre (Theatre Set Design – Finland)
- Carnival Arts (Set Design – UK)
- Toyota Europe (Automotive R&D – France)
- Strongs Plastic Products (Automotive R&D - UK)
- BE Aerospace (Aerospace R&D / Production – Ireland)
- JCB Aero (Aerospace Interiors – France)
- FirstBuild (Home Appliances – USA)
- Wybone Ltd (Building & Construction – UK)
- Embraer (Aerospace – USA)

> See reverse for Technical Specifications.

For more information and product videos formech.com



Technical Specifications 1250

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
1180 x 1180mm / 46.5 x 46.5"	1220 x 1220mm / 48 x 48" 1250 x 1250mm / 49 x 49"	600mm / 23.5"	*6mm / 0.25"	25	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
1740mm / 68.5"	2200mm / 86.5"	3020mm / 119"	1050kg / 2314 lbs	n/a	380-415V / 63A	208-220V / 80A	30.0kW	80 PSI / 5 bar

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

Technical Specifications 1500

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
1460 x 960mm / 57.5 x 37.8"	1500 x 1000mm / 57.5 x 37.8"	600mm / 23.5"	*6mm / 0.25"	18	Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
2000mm / 79"	2200mm / 86.5"	2600mm / 102"	950kg / 2094 lbs	n/a	380-415V / 63A	208-220V / 80A	29.0kW	80 PSI / 5 bar

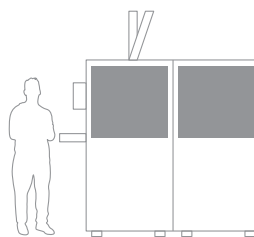
*certain materials over 4mm thick may require turning the sheet mid-cycle

Formech HD Series 2

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. Series 2 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 2 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 2.



Key Features

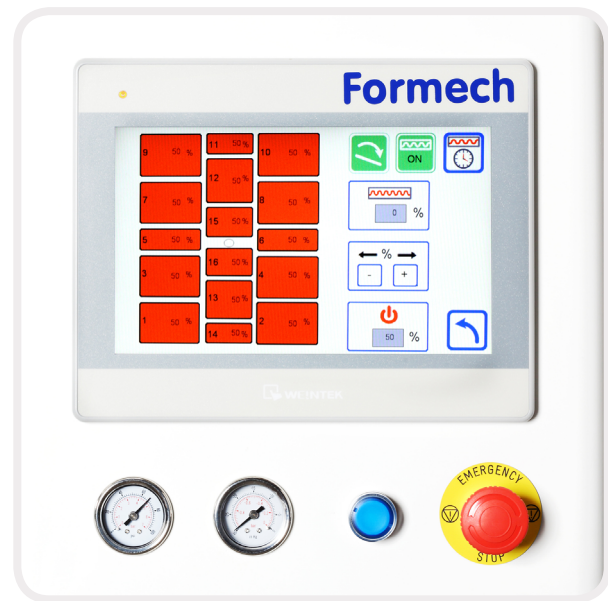
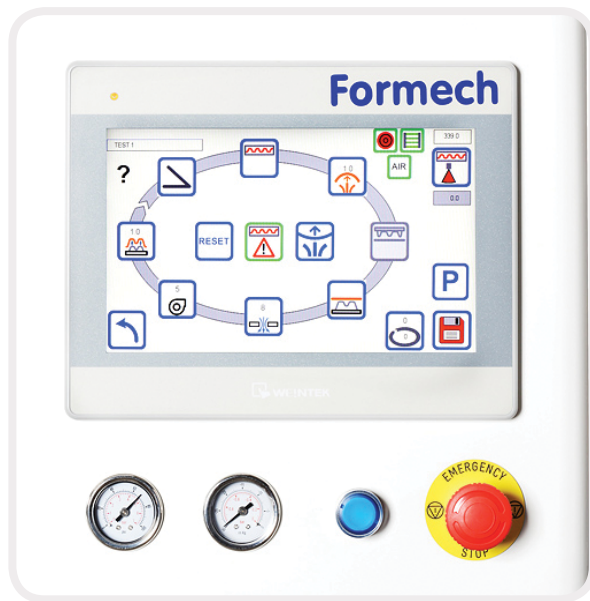
- PLC Control with 10" Hi-res Touch Screen
- Formech Cycle View with 40 Programme Memory
- Quartz Heaters with Variable Standby
- 16 Independently controllable heating zones
- Pneumatic Heater Drive
- Pneumatically Powered Clamping Frame
- Pneumatic Table with Regulator
- Table Height Adjust
- Pre-Stretch
- Auto-level
- Vacuum Flow Regulator
- Vacuum Receiver Tank
- Vacuum and Pressure Gauges
- Safety Light Curtain
- Two Cooling Fans

Options

- Plug Assist with Speed Regulator
- Heavy Duty Clamp Seal
- Ceramic Heaters
- Heating Pyrometer
- Cooling Pyrometer
- Cooling system upgrade
- Spray Mist
- Cooling Bolster
- Twin Heater Upgrade
- Bottom Heater Glass Protection
- Reel Feed
- Reducing Windows
- Spare Parts Kit
- Multi-level Operator access
- Remote access

> See reverse for Technical Specifications and HD Series customers.

For more information and product videos formech.com



Technical Specifications HD686 Series 2

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"	16	Quartz	1740mm / 68.5"

Height	Height with Plug Assist	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
1980mm / 78"	2735mm / 107.7"	2350mm / 92.5"	750kg / 1653lbs	n/a	380-415V / 32A	208-220V / 40A	11.0kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

Technical Specifications HD750 Series 2

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"	16	Quartz	1740mm / 68.5"

Height	Height with Plug Assist	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
1980mm / 78"	2735mm / 107.7"	2350mm / 92.5"	750kg / 1653lbs	n/a	380-415V / 32A	208-220V / 40A	11.0kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

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)

For more information and product videos formech.com

Formech TF Series 2

Automatic Vacuum Forming Machines

Specifically designed for reel feed packaging and decorative film applications, Formech's TF series represents a cost effective and compact alternative to high speed in-line machines. Capable of processing reel materials up to 1.8mm and sheet materials up to 6mm, with plug assist as standard the TF is a highly versatile machine. From chocolate trays, inserts and clamp packs, Formech's TF series can adapt to a diverse number of applications. Series 2 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 TF customers all over the world Formech has developed an intuitive, graphically driven interface suitable for operators at all experience levels.



> Watch the video

Key Features

- PLC Control with 10" Hi-res Touch Screen
- Formech Cycle View with 40 Programme Memory
- Reel Feed
- Plug Assist with Speed Regulator
- Ceramic Heaters
- 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
- Twin Cooling Fans

Options

- Heavy Duty Clamp Seal
- Negative gate for female formings
- Heating Pyrometer
- Cooling Pyrometer
- Cooling System Upgrade
- Quartz Heaters with Variable Standby
- Spray Mist
- Cooling Bolster
- Twin Heater Upgrade
- Bottom Heater Glass Protection
- Reducing Windows
- Spare Parts Kit
- Multi-level Operator access
- Remote access

> See reverse for Technical Specifications and TF Series customers.

For more information and product videos formech.com



Technical Specifications TF686 Series 2

Forming area (mm / inches)		Sheet Size (mm / inches)		Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
647 x 622mm / 25.5 x 24.5"		686 x 660mm / 27 x 26"		200mm / 7.8"	*6mm / 0.25"	16	Ceramic

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
3776mm / 148.6"	2735mm / 107.7"	2350mm / 92.5"	1150kg / 2534lbs	n/a	380-415V / 32A	208-220V / 40A	11.0kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

Technical Specifications TF750 Series 2

Forming area (mm / inches)		Sheet Size (mm / inches)		Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
700 x 500mm / 27.5 x 19.7"		750 x 540mm / 29.5 x 21.2"		200mm / 7.8"	Sheet: *6mm / 0.25" Reel: 1.8mm / 0.07"	16	Ceramic

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
3776mm / 148.6"	2735mm / 107.7"	2350mm / 92.5"	1150kg / 2534lbs	n/a	380-415V / 32A	208-220V / 40A	11.0kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

Technical Specifications TF1000 – details to be confirmed.

Formech TF Series customers include:

- Nestle (Chocolate & Confectionary Packaging – Switzerland)
- Floreal (Chocolate & Confectionary Packaging – Italy)
- Co-Packing (Contract Packaging – Germany)
- Playmobil (Packaging – Malta)
- Imperial Packaging (Contract Packaging – Malta)
- CGL Pack (Contract Packaging – France)
- Interform (Trade Former – UK)
- AVX Corporation (Electronics Packaging – USA)
- Albea (Cosmetics Packaging – Mexico)
- Dourdin (Automotive Production – France)
- Durden (Automotive Production – Turkey)

For more information and product videos formech.com

Formech IMD508

High Performance Vacuum Forming Machine

Film Insert Moulding (FIM) is a versatile and cost effective method for the decoration and manufacturing of durable plastic parts. It is also referred to as 'In Mould Decoration (IMD)' or 'In Mould Labelling (IML)'. The flat film is firstly reverse decorated (normally screen printed or digitally printed), then vacuum formed, cut and finally back injection moulded. It is used for cost effective manufacture of fascias, panels and casings for the automotive, telecommunication, advanced sign making, material testing and electronic sectors. The Formech FIM/IMD range combine extremely accurate repeat sheet registration with incredibly precise and advanced heat control during the forming

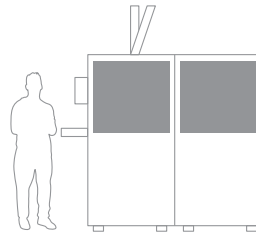
process of the pre-printed material.

Full temperature feedback with every element provides complete control during the heating of the sheet, minimizing the distortion of the printed sheets during the critical heating stage.

The machine also features a heating pyrometer to achieve consistent heating cycles. Formech produces IMD machines for both test and production using either ceramics or quartz, single or twin heaters and servo electric table for precise movements and registration. Ideal for forming the latest technically demanding materials that require precise control over every aspect.



> Watch the video



Key Features

- PLC control with 10" Hi-res Touch Screen
- Formech Cycle View with 40 Programme Memory
- Ceramic Heaters with Full Temperature Feedback
- 49 Independently Controllable Heating Zones
- Pneumatic Heater Drive
- Pneumatically Powered Clamping Frame
- Servo Powered Table with Height Adjust
- Pneumatic Plug Assist
- Pre-Stretch
- Auto-level
- Vacuum Receiver Tank
- Vacuum and Pressure Gauges
- Safety Light Curtain
- Heating Pyrometer

Options

- Servo plug assist
- Cooling Pyrometer
- Cooling Bolster
- Double Heater
- Reducing Windows
- Spare Parts Kit

> See reverse for Technical Specifications and IMD customers.

For more information and product videos formech.com



Technical Specifications IMD508 (Single Heater Version)

Forming area (mm / inches)		Sheet Size (mm / inches)		Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type	
470 x 470mm / 18.5 x 18.5"		508 x 508mm / 20.0 x 20.0"		300mm / 11.8"	*6mm / 0.25"	49	Ceramic	
Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
1200mm / 47.25"	3080mm / 121.25"	2050mm / 80.7"	900kg / 1983lbs	n/a	380-415V / 32A	208-220V /40A	11.3kW	80 PSI / 5 bar

*certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

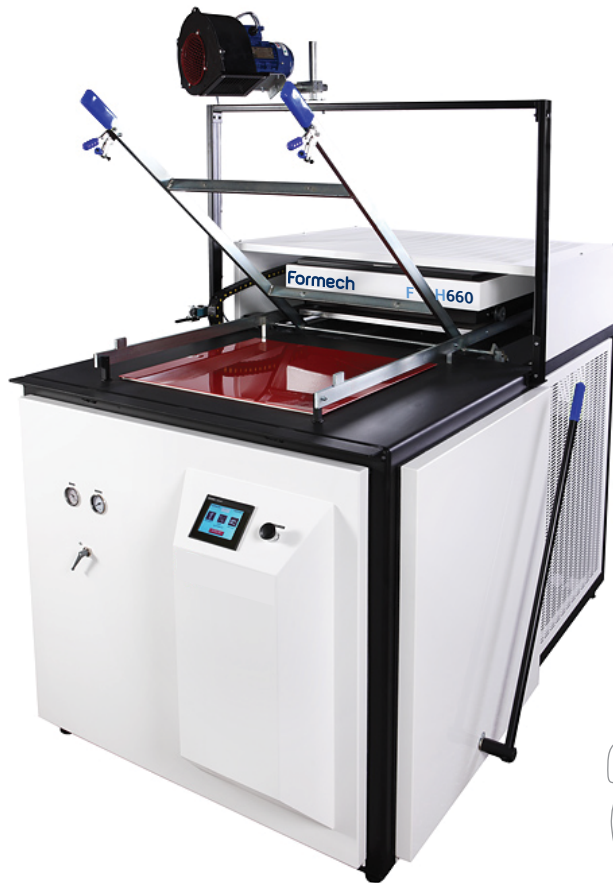
Formech IMD508 customers include:

- Dupont (Innovation & Science – UK)
- MacDermid (Chemicals – UK)

Formech FMDH660 Manual Twin Heater Vacuum Forming Machine

Occupying minimum floor space, Formech's FMDH provides a cost effective solution for extrusion manufacturers to quality control sheet material up to 10mm thick. Twin multi-zone heaters provide powerful performance and consistent results with the most demanding materials.

With the forming capabilities of much larger industrial production machines, the FMDH is ideally suited to proofing design concepts, prototyping and pre-production runs across a wide range of materials and applications.



Key Features

- PLC control with 5" colour touch screen control
- 20 Programme Memory
- Twin Heaters with Ceramic Elements
- 8 top and 6 bottom independently controllable heating zones
- Electric heater drive
- Pre-Stretch
- Auto-level
- Vacuum Flow Regulator
- Vacuum Gauge

Options

- Quartz heaters with variable standby
- Pneumatic Trigger Clamps
- Cooling fan system
- Cooling Bolster
- Table Height Adjust
- Reel Feed
- Reducing windows
- Spare parts kit

Technical Specifications

Forming area (mm / inches)	Sheet Size (mm / inches)	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater type
620 x 620mm / 24.5 x 24.5"	660 x 660mm / 26 x 26"	250mm / 10.0"	10mm / 0.40"	8 + 6	Ceramic/Quartz

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
1200mm / 47.25"	1500mm / 59.0"	2100mm / 82.6"	300kg / 662lbs	n/a	380-415V / 32A	208-220V / 40A	8.0kW	80 PSI / 5 bar

Formech FMDH660 customers include:

- Ferrero Rocher (Chocolate & Confectionary – Italy)
- Universitat Des Saarlandes (Education – Germany)
- Senoplast – (Extruder – Austria)
- Rochling Formaterm (Extruder – Sweden)
- Rochling Formaterm (Extruder – Finland)
- Rochling Formaterm (Extruder – Czech Republic)
- Foamalite (Insulation Products – Ireland)

For more information formech.com



Ancillary Equipment



Formech BS Series

Packaging Machines

Formech's BS Series is designed to bond cardboard with vacuum formed clear plastic blister shapes typically made from PVC, PET or similar transparent materials. The Blister Sealing process is a cost effective way to produce attractive product packaging with high visual impact whilst providing excellent protection.

Typical applications include packaging for hardware, electrical items and toys. Easy to use and safe to operate, Formech's BS Series has been designed and manufactured in accordance with EU safety directives and conforms to accident prevention regulations to protect the operator.



Blister PET / PVC



Technical Specifications BS430

Working Surface	Sealing Depth	Machine Width	Machine Depth	Machine Height
400x300mm / 15.7x12"	75mm	670mm / 26.5"	800mm / 31.5"	1370mm / 54"
Net Machine Weight	Electrical Specifications	Digital Timer	Max Absorbed Power	Compressed Air
200kg / 440lbs	208-240V / 13A - Single Phase	Yes	2.5kW	4-6 bar

Technical Specifications BS535

Working Surface	Sealing Depth	Machine Width	Machine Depth	Machine Height
500x350mm / 19.7x13.8"	75mm	800mm / 31.5"	1000mm / 39.4"	1500mm / 59.1"
Net Machine Weight	Electrical Specifications	Digital Timer	Max Absorbed Power	Compressed Air
220kg / 484lbs	208-240V / 13A - Single Phase	Yes	3kW	4-6 bar

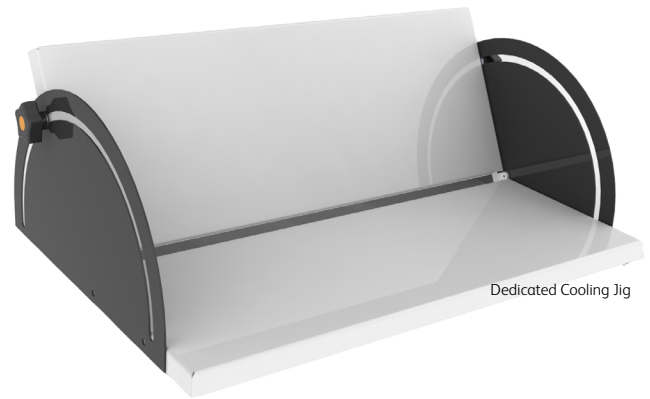
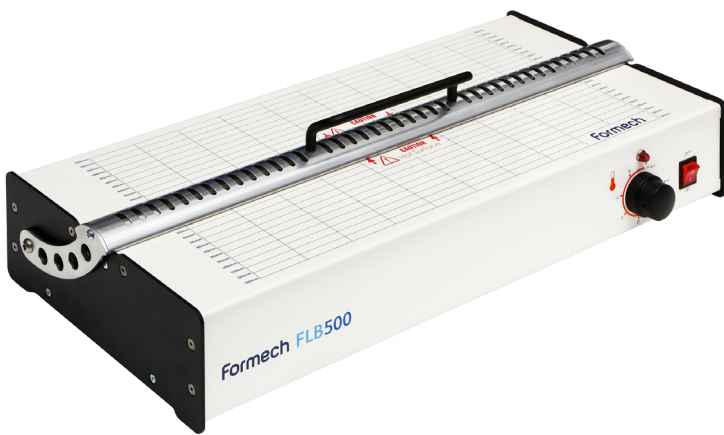
For more information and product videos formech.com

Formech FLB Series

Strip Heaters Machines

The FLB Series is a manually operated line-bending machine that is capable of producing high quality bends in plastic sheet from standard materials up to 500mm wide for the FLB500 and up to 1000mm wide for the FLB1000. Operating from a normal domestic electrical supply the FLB Series Line Bender is easy to use and devoid of any complicated controls. The machine is ideal for training applications where

students are tasked to produce items in a range of materials and thicknesses. It is robust enough to find uses in industry, particularly for display purposes e.g. menu holders, price holders and machine guards. Formech's FLB Series comes complete with a dedicated cooling jig designed to maintain the desired angle of the heat bent plastic whilst cooling.



Technical Specifications FLB500

Heating Width	Heating Elements	Timer	Alarm	Material Clamp	Temperature Regulator
500mm / 19.7"	Incoloy	No	No	Yes	Yes

Width	Height	Depth	Weight	Electrical Specifications
680mm / 28"	175mm / 7"	330mm / 13"	8kg / 17lbs	208-240V / 250W / 13A - Single Phase

Technical Specifications FLB1000

Heating Width	Heating Elements	Timer	Alarm	Material Clamp	Temperature Regulator
1000mm / 39"	Quartz	Yes	Yes	Yes	Yes

Width	Height	Depth	Weight	Electrical Specifications
1280mm / 52"	175mm / 7"	330mm / 13"	15kg / 33lbs	208-240V / 750W / 13A - Single Phase

Formech FLB Series customers include:

- Design Academy Eindhoven (Education – Belgium)
- Sheffield Hallam University Education – UK
- Performance Procurement (UAE)
- 3M UK (R&D – UK)
- IDEO (R&D – USA)
- Itouch Systems (Prototyping – UK)
- Superb Building Products (Product Design – USA)
- Chocolaterie Laruelle (Chocolatier – Belgium)

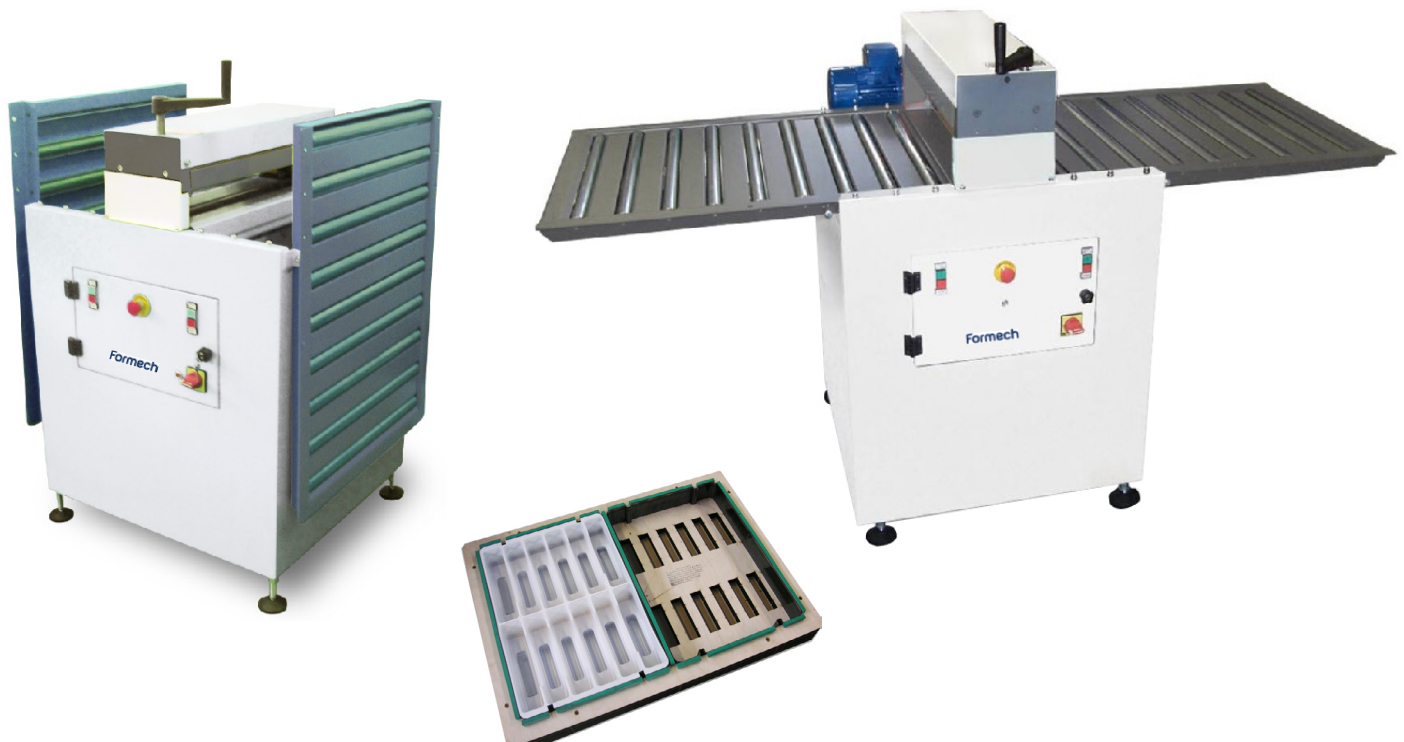
For more information and product videos formech.com

Formech RP680

Packaging Machine

The Roller Press Series has been designed and manufactured in accordance with EU safety directives and conforms to accident prevention regulations to protect the operator. Designed to die cut a range of

materials, it is the result of many years of experience in the field of packaging. The machine is extremely simple to use and does not require skilled labour. A considerable economic saving in cutting.



Technical Specifications RP680

Working Width	Machine Width	Machine Height	Max Adjustable Height	Machine Depth
*680mm / 28"	1050mm / 41"	1400mm / 55"	177mm / 7"	2815mm / 110"

Net Machine Weight	Europe - 3 Phase Power Requirements	USA - 3 Phase Power Requirements	Max Absorbed Power
350kg / 770lbs	380V / 32A / 50-60Hz	208-220V / 40A	1kW

*Larger widths are available

For more information and product videos [formech.com](https://www.formech.com)

Formech's SP (Skin Packer) is specifically developed for low cost consumer packaging applications.

The combination of heat and vacuum is applied to bond a thin Surlyn® plastic film to products mounted on perforated cardboard with an adhesive coating. The clear plastic coating allows full visualization of the product(s) and printed cardboard design, whilst providing excellent protection. Typical applications

include hardware, tools, electrical items, toys, gifts and many more. Suitable for use with environmentally friendly "Peel Away" skin pack board the SP provides a very simple packaging solution. Easy to use and safe to operate, Formech's SP Series has been designed and manufactured in accordance with EU safety directives and conforms to accident prevention regulations to protect the operator.



Technical Specifications SP535

Working Surface	Board Size	Machine Height	Max Production Height	Machine Depth
500 x 350mm / 19.6 x 13.8"	495 x 295mm / 19.4 x 11.6"	1400mm / 55"	100mm / 3.93"	1685mm / 66"

Machine Width	Net Machine Weight	Electrical Specifications	Max Absorbed Power	Compressed Air
1200mm / 47"	200kg / 440lbs	220-240V / 50Hz / 13A - Single Phase	2.5kW	4-6 bar

Technical Specifications SP750

Working Surface	Board Size	Machine Height	Max Production Height	Machine Depth
500 x 750mm / 19.6 x 29.5"	495 x 695mm / 19.4 x 27.3"	1500mm / 59"	100mm / 3.93"	1500mm / 59"

Machine Width	Net Machine Weight	Electrical Specifications	Max Absorbed Power	Compressed Air
1300mm / 51"	230kg / 506lbs	220-240V / 50Hz / 20A - Single Phase	5kW	4-6 bar



Typical Applications





Mask HIPS
Compac mini



Packaging
HIPS - **300XQ**



Medical mask
PETG - **686**

Motorcycle Parts
Acrylic capped
ABS - **686**



Air conditioning
units ABS - **686**



Helmet HIPS
1372



Luggage Acrylic
capped ABS - **1372**



Radio controlled car
body shelf PC
Lexan - **1372**



POS Display HIPS/PETG - **1372**



Guitar case ABS
1500

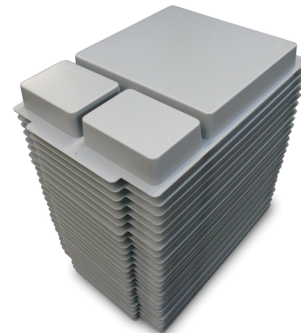


Bicycle case
HDPE - **1250**

POS Display
HIPS/PETG - **1372**



Props Acrylic Capped
ABS - **FMDH660**



HIPS
TF Series



Marine pod Acrylic
Capped ABS
HD Series



Blister PETG
TF Series

Formech

Perfectly formed

FORMECH CUSTOMERS INCLUDE:

AEROSPACE

BE Aerospace (Aerospace R&D / Production – Ireland)
JCB Aero (Aerospace interiors – France)
Giannuzzi (Aerospace – Italy)
Lockheed Martin (Aerospace – USA)
Hindustan Aeronautics (Aerospace R&D – India)
Embraer (Aerospace – USA)

ARCHITECTURAL DESIGN

Kohn Pederson Fox (Architectural Design – UK)
Foster & Partners (Architectural Design – UK)
Heather Wick Studio (Architectural Design – UK)
Wilkinson Eyre (Architectural Design – UK)
RadLab (Architectural Design – USA)

AUTOMOTIVE

Mclaren Racing (Motorsport – UK)
Simpson Detour (Motorcycle accessories – UK)
Strongs Plastic Products (Automotive R&D – UK)
Dourdin (Automotive Production – France)
Mechachrome (Automotive – France)
Toyota Europe (Automotive R&D – France)
VW Group (Automotive – Germany)
Skoda (Automotive – Czech Republic)
Durden (Automotive Production – Turkey)
Honda R&D America's Inc (Automotive R&D – USA)
Ford Motor Company (Automotive R&D – USA)
Tesla Motors (Automotive R&D – USA)
Automotive Amiens (Automotive – France)
Douceca Produtos Plásticos (Automotive – Portugal)
Ligier Group (Automotive - France)

CONFECTIONERY

Cocoa Atelier (Chocolatier – Ireland)
Ladurée (Chocolatier – France)
Nestle France (Chocolatier – France)
Création Chocolat (Chocolatier – France)
Tourbillon Pâtisserie (Chocolatier – France)
Chocolaterie du Haut Giffre (Chocolatier – France)
Sodebo (Chocolatier – France)
Ferrero Rocher (Chocolatier – Italy)
Floreale (Chocolate & Confectionery Packaging – Italy)
Nestle Switzerland (Chocolatier – Switzerland)
Nestle R&D Center Inc (Chocolatier – USA)
Barry Callebaut (Chocolate Academy – USA)
Hershey Chocolate (Chocolatier USA)
Mandalay Bay Hotel, Vegas
(Chocolatier / Pâtisserie Chefs – USA)
Cacao Prieto (Chocolatier – USA)
Chocolate Tree (Chocolatier – UK)
Rick Jordan Chocolatier (Chocolatier – USA)
Ben & Chocolat (Chocolatier – Belgium)
The Peninsula Paris (Confectionery – France)

CONSTRUCTION

Foamlite (Insulation Products – Ireland)
Vicoustic (Acoustic Panels – Portugal)
Wybone Limited (Building & construction – UK)
NAFENA Industries (Building & construction – Poland)

DEFENCE & SECURITY

Serco (Defence R&D – UK)
RAF (Royal Air Force – UK)
Raytheon (Defence R&D – UK)
Metropolitan Police (UK)
Greater Manchester Police (UK)
G4S Secure Solutions (Security – UK)

Police Service Northern Ireland (UK)
Revision Military (Defence R&D – USA)

EDUCATION

Cambridge University (Education – UK)
Central St. Martins (Education – UK)
Lancaster University (Education – UK)
Roundhill Academy (Education – UK)
London College of Fashion (Education – UK)
University of the Arts London (Education – UK)
Bristol University (Education – UK)
Brunel University (Education – UK)
University of Teeside (Education – UK)
Watford Boys Grammar School (Education – UK)
Universität des Saarlandes (Education – Germany)
Bezirksregierung Arnsberg (Education – Germany)
ETH Zürich (Education - Switzerland)
INSA (Education – France)
Universidade do Minho (Education – Portugal)
Ecole Superior Aveiro Norte (Education – Portugal)
EPFL (Education – Switzerland)
Politecnico Di Milano – (Education – Italy)
NABA Milano (Education – Italy)
Domus Academy (Education/Design – Italy)
Deltion College (Education – Netherlands)
KTH (Education – Sweden)
Louisiana Tech University (Education – USA)
University of Arkansas (Education – USA)
Yale University of Architecture
(Education and Model Making – USA)
University of Rochester (Education – USA)
Orange Coast College (Education – USA)
Ecole de Technologie Supérieure (Education – Canada)
Claremont Secondary School (Education – Canada)
University of Western Ontario (Education – Canada)
Anahuac (Education – Mexico)
Bahrain University (Education – Bahrain)
KKTM Technical College (Education – Malaysia)
Bezalel Academy of Arts & Design (Education – Israel)
Chicago School of Mold Making (Education – USA)
Laney College (Education – USA)
University of Nottingham (Education – UK)
PT Kawan Lama Sejahtera (Education – Indonesia)
University of Kentucky (Education – USA)

ELECTRONICS

Philips R&D (Prototyping / R&D – Netherlands)
Siemens (Prototyping/R&D – Italy)
Apple Inc (Prototyping/R&D – USA)
Jim Marshall Speakers – (Prototyping – USA)
Motorola (R&D – USA)
Xerox (R&D – USA)
Google (Electronics – USA)
Microsoft (Electronics – USA)
Lutron Electronics (Electronics – USA)

EXTRUDERS

Senoplast – (Extruder – Austria)
Röchling Formaterm (Extruder – Czech Republic)
Röchling Formaterm (Extruder – Sweden)
Röchling Formaterm (Extruder – Finland)

FASHION / SPORTS

Tubus Carrier Systems (Cycle Equipment – Germany)
Decathlon (Sports apparel R&D – France)
Scorpio (Sports Equipment – France)
Nike (Sports apparel R&D – USA)
Reebok (Sports apparel R&D – USA)
Under Armour (Sports apparel R&D – USA)
Clarks (Textiles & Apparel – UK)

FILM & THEATRE SET DESIGN

Aardman Animation (Animation - UK)
Robert Allsopp (Doctor Who Props – UK)
Fox UK Productions (20th Century Fox – UK)
Eon Productions (James Bond Props – UK)
Warner Brothers Productions (Film & Animation – UK)
English National Opera (Film & Theatre – UK)
Royal National Theatre (Scenery & Props – UK)
Factory Tansmedia (Special Effects – UK)
Trestle Theatre (Film & Theatre – UK)
Science Museum (Set/Prop Design – UK)
Carnival Arts (Set Design – UK)
Disney (Set/Prop design – France)
Helsinki Royal Opera House (Set/Prop Design – Finland)
Helsinki Theatre (Theatre Set Design – Finland)
Bolshoi Ballet Moscow (Theatre Set Design – Russia)
Walt Disney World Company (Set/Prop Design – USA)
Jim Henson's Creature Shop (Puppet/Prop design – USA)
Chuck Steel Ltd - Special FX props (Film & Video – UK)
Walt Disney (Theatre & Drama – USA)

MEDICAL

Clear Step (Medical – UK)
Trixell (X-Ray Equipment – France)
Neurospin (Neuroimaging research – France)
Harmac Medical Products (Medical – USA)
Daktari Diagnostics Inc (Medical – USA)
BioFire Defense (Hospital & Medical – USA)

PACKAGING

Makita (Packaging – UK)
CGL Pack (Contract Packaging – France)
Co-Pack (Contract Packaging – Germany)
Fraunhofer-Institut für Zuverlässigkeit und
Mirkointegration (Prototype Packaging – Germany)
Playmobil (Packaging – Malta)
Imperial Packaging (Contract Packaging– Malta)
AVX Corporation (Electronics Packaging - USA)
Coining of America (Preforms - USA)
Albea (Cosmetics Packaging – Mexico)
Kaleidoscope (Prototyping Packaging – USA)

PROTOTYPING & R&D

Cyberdroid (Prototyping / R&D / Robotics - France)
US Candy Network (Netherlands)
New Jersey Institute of Technology (R&D – USA)
Berry Plastics Corp (Design – USA)
Wild Blue Tech – (Design – USA)
Hallmark Cards (Prototyping - USA)
Blackhawk Industrial (R&D – USA)

TRADE FORMERS & SIGN MAKERS

Interform (Trade Former – UK)
DPS Designs (Tool Maker – UK)
Ahrberg GmbH (Sign Making / Displays – Germany)
Adornos (Sign making / Displays – Spain)
Comco Plastics (Sign Making / Displays – USA)
Big Apple Visual Group (Sign making / Displays – USA)
Expressway Graphic Corp (Sign maker – Puerto Rico)
Interform (Trade Former – UK)
DPS Designs (Tool Maker – UK)
Ahrberg GmbH (Sign Making / Displays – Germany)
Adornos (Sign making / Displays – Spain)
Comco Plastics (Sign Making / Displays – USA)
Big Apple Visual Group (Sign making / Displays – USA)
Expressway Graphic Corp (Sign maker – Puerto Rico)
Milan Cerny - Sklotex Plasty (Trade Former – Czech Republic)
Polyfoam Kautschuk GmbH (Trade Former – Germany)

