

# Formech TF Series

## 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. TF 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 TF customers all over the world Formech has developed an intuitive, graphically driven interface suitable for operators at all experience levels.



Operating screen with Formech Cycle View



Heaters screen with 20 independent zones

### Key Features

- PLC Control with 10" Hi-res Touch Screen
- FCV® (Formech Cycle View) with 40 Programme Memory
- Reel Feed
- Plug Assist with Speed Regulator
- Ceramic Heaters
- 16 (TF686/750) / 20 (TF1050) 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
- O Ring Clamp Seal with Milled Recess
- Multi User Pin Access Control
- Oil Filled Rotary Vane Pump 18m<sup>3</sup>/h (TF686/750) / 40m<sup>3</sup>/h (TF1050)

### Options

- Negative Gate for Clam Shell and Female Tools
- Reducing Windows
- Spray Mist
- Cooling Bolster
- Heating Pyrometer
- Cooling Pyrometer
- Upgrade 26 Zones (for TF686)
- Double Heater
- Upgrade Cooling System
- Servo Plug Assist
- Servo Table
- Quartz Heaters with Variable Standby
- FA Remote Connectivity
- Spare Parts Kit

> See reverse for Technical Specifications and TF Series customers.

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

### Technical Specifications TF686

Forming Area (mm / inches)	Sheet Size (mm / inches)	Reel Width	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"	Recommended: 660mm / 26" Maximum: 700mm / 27.5"	Sheet feed: 350mm / 13.8" Reel feed: 200mm / 7.9" Negative gate: 100mm / 3.9"	Sheet: 6mm / 0.25" <sup>(1)</sup> 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
3677mm / 144.8"	2576mm / 101.4" <sup>(2)</sup>	2600mm / 102.4"	1150kg / 2534lbs	n/a	380-415V / 32A <sup>(3)</sup>	208-220V / 40A <sup>(3)</sup>	11.0kW	87 PSI / 6 bar

### Technical Specifications TF750

Forming Area (mm / inches)	Sheet Size (mm / inches)	Reel Width	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"	Recommended: 540mm / 21.2" Maximum: 660mm / 26"	Sheet feed: 350mm / 13.8" Reel feed: 200mm / 7.9" Negative gate: 100mm / 3.9"	Sheet: 6mm / 0.25" <sup>(1)</sup> 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
3677mm / 144.8"	2576mm / 101.4" <sup>(2)</sup>	2600mm / 102.4"	1150kg / 2534lbs	n/a	380-415V / 32A <sup>(3)</sup>	208-220V / 40A <sup>(3)</sup>	11.0kW	87 PSI / 6 bar

### Technical Specifications TF1050

Forming Area (mm / inches)	Sheet Size (mm / inches)	Reel Width	Max Depth of Draw	Max Material Thickness	Heating Zones	Heater Type
1000 x 1000mm / 39.4 x 39.4"	1050 x 1050mm / 41.3 x 41.3"	Recommended: 1050" / 41.3" Maximum: 1050mm / 41.3"	Sheet feed: 350mm / 13.8" Reel feed: 200mm / 7.9" Negative gate: 100mm / 3.9"	Sheet: 6mm / 0.25" <sup>(1)</sup> Reel: 1.8mm / 0.07"	20	Ceramic

Width	Height	Depth	Weight	Single Phase Power Requirements	Europe – 3 Phase Power Requirements	USA – 3 Phase Power Requirements	Power Consumption	Air Requirements
4575mm / 180.1"	2740mm / 107.9" <sup>(2)</sup>	3604mm / 141.9"	2000kg / 4400lbs	n/a	380-415V / 60A <sup>(3)</sup>	208-220V / 80A <sup>(3)</sup>	27.0kW	87 PSI / 6 bar

<sup>(1)</sup> certain materials over 4mm thick may require turning the sheet mid-cycle unless twin heaters are specified

<sup>(2)</sup> height with standard pneumatic plug

<sup>(3)</sup> current may be higher depending on machine options selected

### Formech TF Series customers include:

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

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