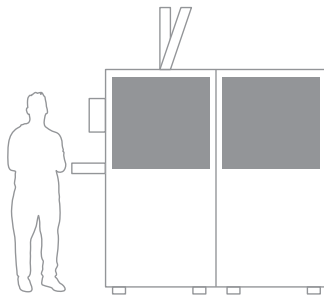


Formech TF Series 2

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.



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 (TF1000) 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
- Oil Filled Rotary Vane Pump 21m³/HR (TF686/750) / 40m³/HR (TF1000)

Options

- Negative Gate for Clam Shell and Female Tools
- Reducing Windows
- Spray Mist
- Cooling Bolster
- Heating Pyrometer
- Cooling Pyrometer
- Upgrade 26 Zones (for TF686/750)
- Double Heater
- Upgrade Cooling System
- Servo Plug Assist
- Servo Table
- Full Temperature Feedback with Dedicated Heat Profile
- Quartz Heaters with Variable Standby
- Multi User Pin Access Control
- 2 Stage Clamping
- Spare Parts Kit

> 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) | 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" 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" | 2600mm / 102.4" | 2639mm / 103.9" | 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) | 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" 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" | 2600mm / 102.4" | 2639mm / 103.9" | 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 Series 2

| Forming Area (mm / inches) | Sheet Size (mm / inches) | Reel Width | Max Depth of Draw | Max Material Thickness | Heating Zones | Heater Type |
|------------------------------|------------------------------|---|---|--|---------------|-------------|
| 1000 x 1000mm / 39.8 x 39.8" | 1050 x 1050mm / 41.3 x 41.3" | Recommended: 1050" / 41.3" Maximum: 1050mm / 41.3" | Sheet feed: 400mm / 15.8" Reel feed: 200mm / 7.9" Negative gate: 100mm / 3.9" | Sheet: *6mm / 0.25" 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 |
|-----------------|-----------------|-----------------|------------------|---------------------------------|-------------------------------------|----------------------------------|-------------------|------------------|
| 4300mm / 169.3" | 2900mm / 114.2" | 3500mm / 137.8" | 1500kg / 3086lbs | n/a | 380-415V / 60A | 208-220V /40A | 24.0kW | 80 PSI / 5 bar |

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

Formech TF Series customers include:

- Nestle (Chocolate & Confectionary Packaging – Switzerland)
- Floreal (Chocolate & Confectionary Packaging – Italy)
- Vincent S. Variété (Chocolate & Confectionary Packaging – Canada)
- Co-Packing (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)