

MACHINES FOR FILM THERMOFORMING

FV-35

Operation

The plastic film is unwound from the reel and warmed up in the heating module; when the preset process temperature has been reached, the film is driven into the moulding zone (positive or negative, depending on the item features) where the item is formed.

After moulding the film goes into the die cutting station, where the shaped item is split from the film. The film waste is rewound again for an easy handling.

Features

- 4 High speed mould / countermould ascent and descent
- 4 Hydraulic die-cutting by double action, high precision toggle
- 4 Operation control of all working parameters by means of PLC
- 4 User friendly, sliding touch screen interface
- 4 Internal high speed communication Ethernet network
- 4 Sturdy and accessible frame which allows for easy and simple maintenance jobs
- 4 Differential heating system, by means of moving louvers (patented)
- 4 All sorts of thermoplastics acceptable (PVC, PET, PS, etc.)
- 4 Ergonomic design, to minimize operator stress

Technical specifications

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Max. web diameter (a)	500 mm
Max. web diameter, optional (b)	800 mm
Max. sheet width	540 mm
Max. sheet thickness (a)	0,4 mm (reel holder 500 mm Ø)
Max. sheet thickness (b)	1 mm (reel holder 800 mm Ø)
Max. thermoforming area	500 x 350 mm
Min. thermoforming area	300 x 200 mm
Max. thermoforming depth upwards/downwards	50/80 mm
Vacuum pump flow	40 m ³ /h
Upper heater installed power	15,4 kW (1.000 mm)
Total installed power	24 kW
Max. die-cutting force	20 Tm
Dry cycle output ⁽¹⁾	30 cycles/min
Thermoforming plates drive	Pneumatic/toggle
Die-cutting plates drive	Hydraulic/toggle
Colour	RAL 9002
Mains power	380V + N + T, 50 Hz

(1) These figures refer to dry cycle operation and will differ under actual working conditions, depending on the plastic material and process patterns. We will gladly advise on your specific requirements upon request.

Dimensions

Height	1.800 mm
Frame width	970 mm
Length	5.220 mm
Approx. weight	4.000 kg

Options

- = Preheaters
- = PP specific heaters
- = Film edges heaters
- = Punching station
- = Stacker
- = Automatic modules positioning
- = Automatic film width adjustment
- = On-line checking by modem
- = Functional ancillary equipment: chillers, compressors, dryers...
- = Identifying ancillary equipment: markers, coders, labelers...
- = End-of-line automation

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