

# MIDMATIC VACUUM FORMING MACHINE

Models: 2420MM 3020MM 3624MM 4030MM



4030MM Midmatic Vacuum Forming Machine

**Ridat thermoforming machinery is highly cost effective and will handle a wide range of thermoplastic material. It has served as the work horse to the thermoforming industry and most trade formers started their business with one.**

The Midmatic Vacuum Former is a continuous running, multi-purpose machine designed for both blister forming and general trade moulding. It is ideally suited for short to medium throughput operation. As a refined version of the Semi Automatic Vacuum Forming machine it employs the same basic principles – a sheet of plastic is heated to the requisite temperature to make it malleable; a form is then raised to the film plane and a vacuum applied to draw the plastic material around the form to assume its shape.

The operation is continuous and permits uninterrupted production with the minimum of operator supervision. The Midmatic Vacuum Former – in wide use throughout the world – is fully programmed to ensure constant, repeatable results with low reject rates.

The Midmatic Vacuum Forming Machine is a reel fed thermoformer combining proven and reliable characteristics of previous models, updated to current day by the use of PLC with user friendly HMI operator panel to set the various processing timers and zones. Furthermore it provides flexibility of operation and quick changeover with low tooling costs.

Cycle times – many factors influence cycle time – type, colour and thickness of material; shape of mould; operator skill and experience.



## FEATURES

- Wide material range – PVC, HIPS, PP, PET and ABS of up to 3mm thick can be formed
- Automatic film feed
- Stepper Drive powering rubberised Rollers for smooth material travel
- Ceramic heaters with multi-zone control for balanced heat
- Sealed vacuum chamber for pre-stretch and greater material control with automatic bubble and sag-control
- High velocity cooling fans increases production rates
- Centre pull guillotine for smooth sheet separation

## OPTIONAL

Plug assistance for use on deep draw products to improve material distribution

Water Cooled bolster to eliminate heat build in the forming tool thus speeding moulding process

RC1 – Re-circulator for use with Water Cooled Bolster

## TYPICAL APPLICATIONS

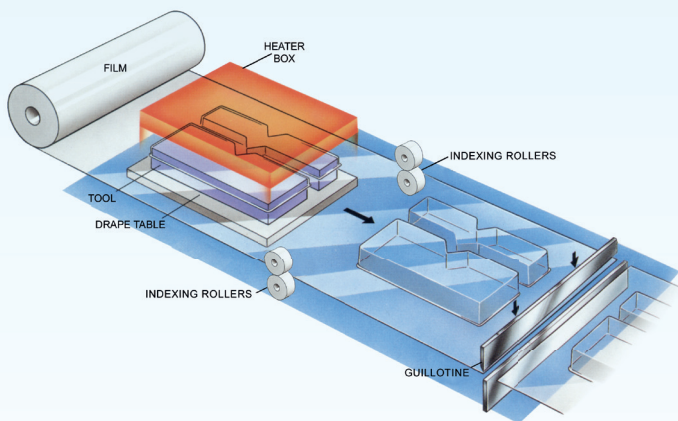


Blisters & clam shells, transit trays

## SAFETY

Ridat machines are produced to high safety standards and conform to the latest harmonised standards relating to the Machinery Directive, Low Voltage Directive and Electromagnetic Compatibility Directive. All machines are CE marked in accordance with current European legislation.

## BRIEF TECHNICAL SPECIFICATIONS



MODEL	2420mm	3020mm	3624mm	4030mm
Forming (max) mm	24x20 600x500	30x20 750x500	36x24 900x600	40x30 1200x750
Depth mm	200	200	200	200
Air Usage litre/cycle	8.5	8.5	9.5	9.5
Power Usage kW	6.2	8.6	13.5	16.6
Floor Area cm	335 x 195	335 x 195	360 x 240	360 x 240
Height cm	252	252	252	252
Weight kg	720	720	780	780

The above figures should be taken as typical example only. Complete specifications supplied on request.



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