THE NEXT GENERATION
AUTOMATIC LARGE FORMAT THERMOFORMING MACHINES

Automatic Operation
Material is reel fed into a 2-stage heating station and then vacuum formed. The formed sheets are then separated and pushed out by the delivery conveyor.

Accurate Indexing
The material is transported by a spike chain system powered by a servo-drive motor.

Easy Accessibility
Front entry for fitting forming tools and plug moulds offers easy accessibility for maintenance.

Easy Control
User-friendly HMI operator panel for easy setup (prior to automatic operation) Adjustable settings include: heating temperature, index length and speed and timing of other processing variables. After the initial set up, operation is completely automated without the need for any operators, providing the facility for continuous production.

Reliability & Durability
Robustly constructed, the Ridat ATF range of thermoforming machines is durable and proven in multi-shift operation for reliable production.

Safety
Ridat vacuum forming 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. Machines are CE marked in accordance with current European legislation.

Ridat’s ATF series is designed for high speed production and is favoured by trade formers and in-house operators alike for the versatility afforded by the large forming area, high quality output and continuous performance.

4848ATF Large Format Thermoforming Machine

Models
3024ATF  4848ATF
3035ATF  4848ATF-P
Heating
Using both upper and lower ceramic heaters ensures balanced temperature distribution to minimise material stress. The dual ceramic heaters also enable a wide variety of thermoformable materials (such as PVC, PS, APET, GPET) to be used in the machines. Temperature is monitored by PID software and can be controlled using the HMI operator panel.

Forming
The ATF series is fitted with a high capacity reservoir and a vacuum pump to create an instant vacuum, regardless of the production rate or material used. After forming, the formed sheet is cooled by high velocity turbo fans.

Toolinger
The ATF series of thermoformers accepts both male and female moulds. Moulds can be fitted to either the top or bottom platen. ATF machines are able to accept tooling made by other major European manufacturers.

Sheet Separation
Sheets are separated using a double acting guillotine.

Discharge Conveyor
Formed sheets are pushed onto a pallet or carton for subsequent removal by operator.

Sheet Width Adjustment
Spike chain tracks are simultaneously adjusted from either the front or rear of the machine.

Index Length Adjustment
Adjusting settings on the HMI enables simple material index length adjustment.

A pressure forming version is also available.

Optional features include:
- Platen Cutting Press
- Bulk Reel Unreeler
- Powered Roll Lift
- Edge & Centre Slitters

Typical applications include: chocolate box inserts, food and collating trays, underfloor panels, automotive protection covers and cooling tower fills.