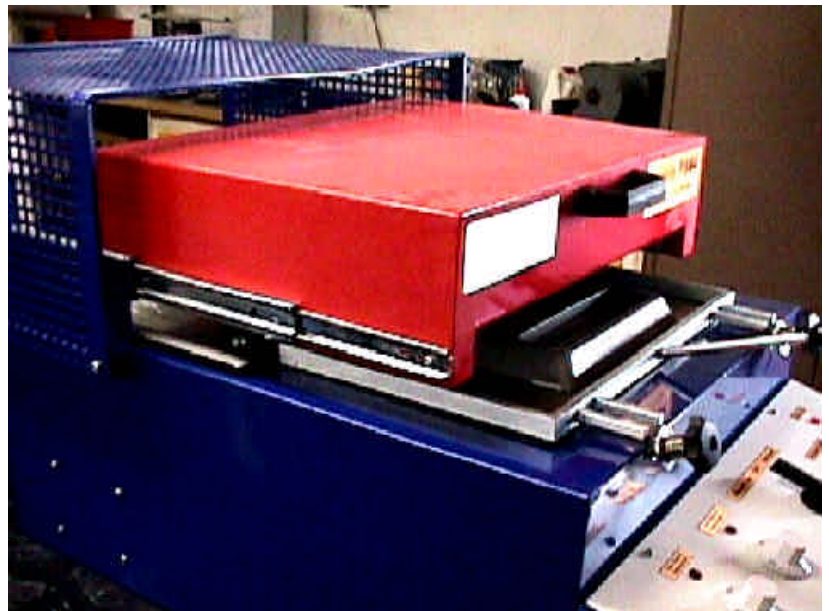




Making it with Vacuum Forming Technology

EASY PATHWAY TO MODERN MANUFACTURING PROCESSES

- ◆ simple manufacturing of plastic components
- ◆ easy to make moulds
- ◆ wide curriculum links
- ◆ ideal link with cad/cam and design activities



Heater



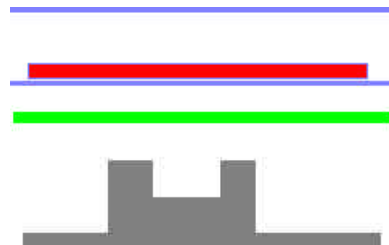
Plastic Sheet



STEP 1. The heater section gets hot. The plastic sheet is held above the part (female or male section).

STEP 2. The movable heater is placed above the plastic sheet which starts to soften.

STEP 3. The heater is removed and the part is moved upwards into the plastic sheet. A vacuum pump then sucks the soft plastic into or over the mold.



Modern Technology education is an exciting curriculum area because it combines the important links between design and manufacture with modern processes and materials.

Students may use a computer aided design package to create a drawing which can be the basis of the subsequent manufacture of a device or system. The manufacturing of this part can involve a large number of processes such as machining, injection moulding, rapid prototyping.

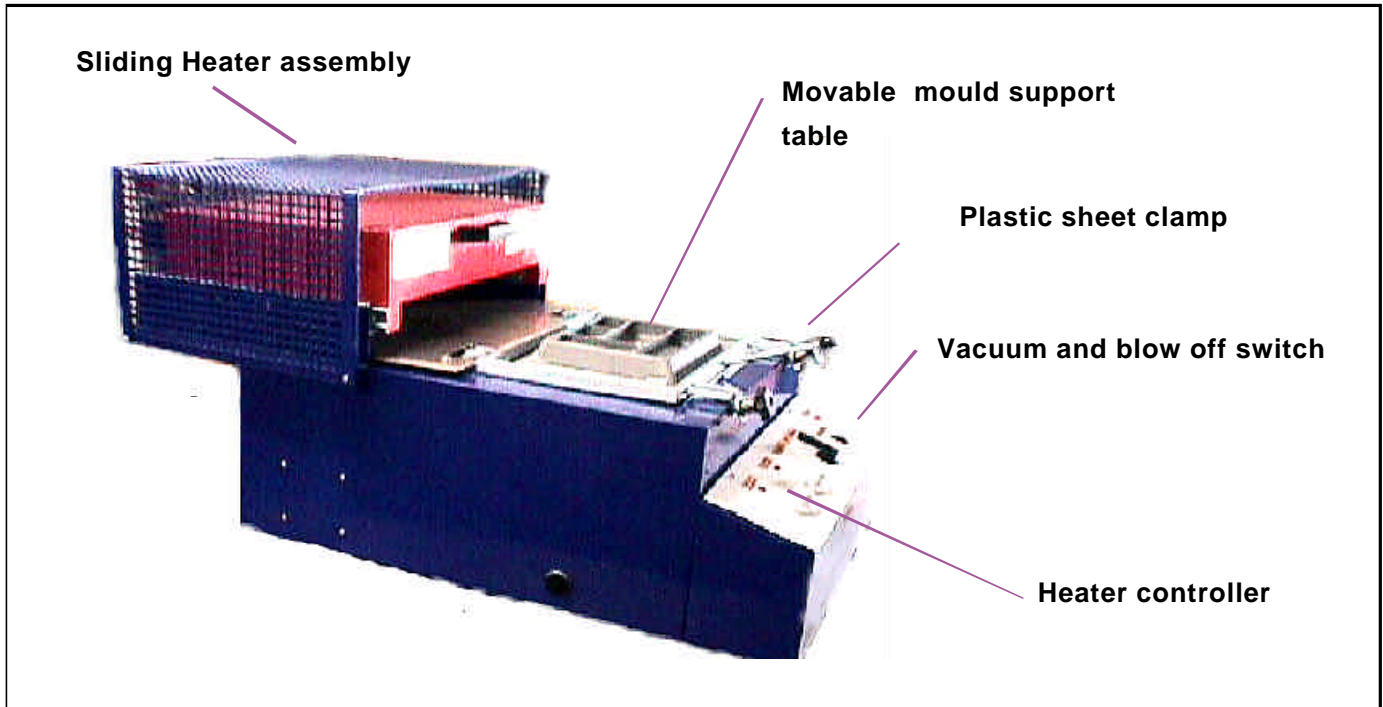
Vacuum forming or thermo-forming is a simple process that can create many objects - bottles, plates, car panels, car parts and a host of products in food, sport and health.

Now this simple process can be part of the modern technology classroom with the robust and rugged STEELE FS44 vacuum former.





Technical information - Cat. No. 1299001



Technical features

Heater : 2.4kW
Current 9.9 A (Single phase, household mains)
Internal vacuum pump
Two way valve (pump and blow off)
Sheet size - 300 x 450 mm
Materials - high impact polystyrene, PVC, VIVAC
Sheet thickness - up to maximum of 3mm
Cooling of part - natural convection
Cycle time for heaters - 15 mins to ready approx
Cycle time for 1.2 mm plastic - 1 minute approx
Instruction manual supplied
Mould materials - wood, MDF, aluminium, aluminium loaded epoxy, plaster of paris, bondifill
Shipping weight on palette - 82kg
Weight - 78 kg
Heavy duty powder coated frame
Simple connection to mains power
Smooth heater assembly

Design and make:
Products for food technology
Package design
Enclosures for electronics
Toys and entertainment products
Innovative plastic designs

