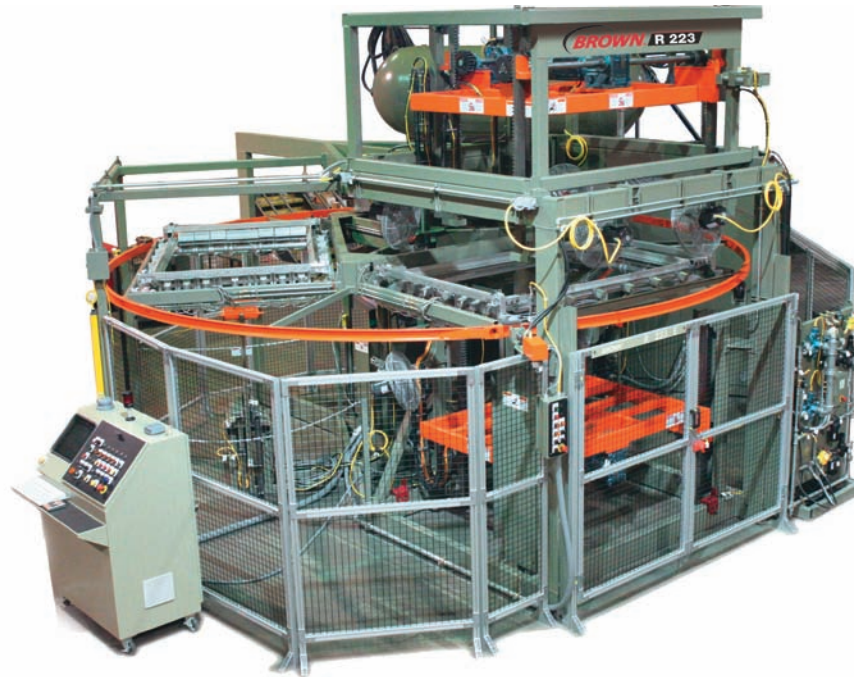
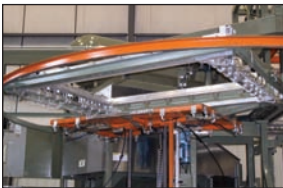




## R-Series Vacuum Rotary Thermoformer



*Electric Direct Drive Platen*



*Lift Table & Clamp Frame*



*Positive Gear Rotate*



*Multi-Zone Ceramic Oven*

### Superior Performance and Value

The most precise and repeatable multi-station vacuum rotary equipment available. A horizontal rotating wheel indexes the cut-to-size sheets through load/unload, heat and form stations.

Male or Female Tools on either the top or bottom platens with a variety of process routines including Vacuum, with Plug Assist, Vacuum with Billow Box, Vacuum Pull, Vacuum Blow and Snapback are easily performed.

Vacuum rotaries with non-proprietary computerized control, high speed electric direct drive platen systems, high watt density energy efficient ovens and controls, electric gear rotate, multiple clamp frame options and high flow pneumatics are available to your exact specification.

### Safety:

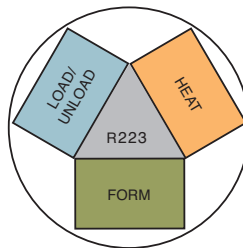
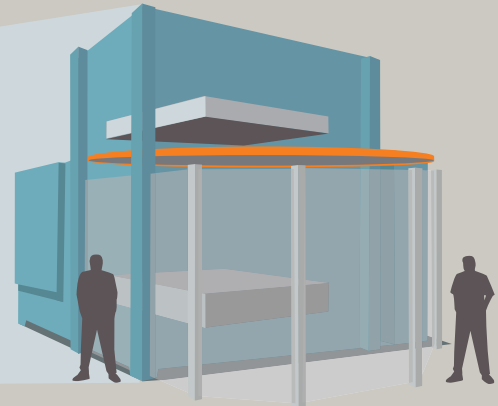
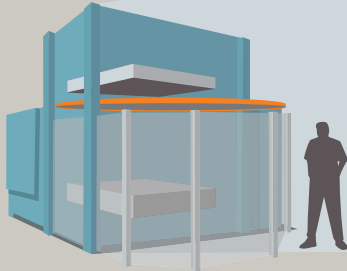
- Perimeter guarding designed to provide high visibility with light curtains in the load / unload area
- Electrical interlocks on guards requiring frequent access
- Bilingual with pictographic safety tags
- Main electrical disconnect with padlock
- Emergency stop buttons
- Integral brake within the rotate motor
- All safety features should be in place and functional at all times

### R-Series Vacuum Machine Options:

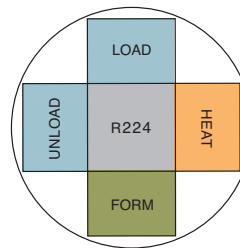
- Windows Based Level 2 Computerized Control System
- 8", 10" or 12" per second Platen Systems
- Upper and Lower Platen Strokes from 15" to 96"
- High Efficiency Mold Clamp
- High Output Blower and Fan Systems
- Multiple Zone Color Changing Ceramic, Quartz or Panel Heater Elements
- Solid State Relay or Heater Control Module Oven Control.
- Oven Fire Protection Sheet Curtain System
- IR Sensor and Sheet Scanning Systems
- Motorized or Sheet Tracking Lower Ovens
- Servo Position Vacuum and Air Valves
- Vacuum Pumps and Temperature Controllers
- Pin Bar / Aluminum Extrusion or AL-90 Quick Change Clamp Frames
- Lift Table Systems
- Automatic Sheet Load and Unload systems
- Sensors and Trending Capabilities
- Mold Change Quick Change Systems
- UL / CE / CSA / HSE Approval Available
- International Voltages Available
- Air Conditioned Electrical Cabinets
- Spare Parts Kits
- Start-Up and Training
- Custom Options

## Machine sizes to meet your requirements

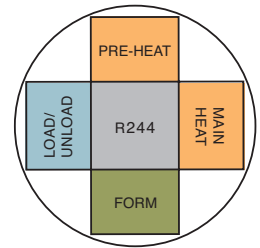
**Brown builds rotary machines in mold sizes from 3' x 4' up to 14' x 22', and will build them even larger.**



Model R-223 Rotary



Model R-224 Rotary



Model R-244 Rotary

## Leadership Through Innovation, Quality and Service

Serving the thermoforming industry since 1952, Brown Machine has earned a reputation for providing the most innovative, durable and dependable plastics equipment in the industry. With engineering and manufacturing capabilities in Beaverton, Michigan, Brown provides equipment, tooling and services to produce a wide range of thermoformed products in the following markets:

- Disposable Cup
- Food Packaging
- Housing
- Point-of-Purchase Packaging
- Material Handling
- Horticultural
- Automotive
- Lid and Plate
- Recreation Equipment
- Appliance

Today our equipment is producing products from a wide range of materials including:

- Polystyrene
- Polyethylene
- PVC
- Composites
- Polypropylene
- EPS Foam
- TPO
- Acrylic
- APET
- ABS
- Barrier Materials

Globally, Brown Machine totally supports its growing capital equipment business with a full complement of:

- Retrofit Kits
- Service: 24-7
- Remanufacturing
- Parts: 24-7

Continuous Thermoformers

Cut Sheet Thermoformers

Horizontal & Vertical Trim Presses

Lip Rolling Systems

Machines for Custom Applications

Tooling, Parts & Service



**Global Leader in Thermoforming Solutions**

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[www.brown-machine.com](http://www.brown-machine.com)

TF: 877.702.4142

A global leader of thermoforming technologies since 1952, Brown Machine LLC engineers and builds a complete standard line of continuous & cut-sheet thermoforming equipment as well as related tooling & peripheral equipment.

Fx: 989.435.2821