



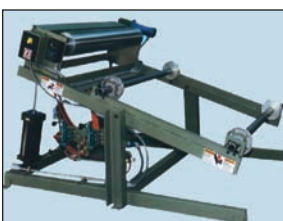
## C-Series Thermoformers



*Splined Drive Shaft*



*Clamshell Oven*



*Roll Stand / Payout with  
Auto Roll Load*

### Affordable and Reliable Thermoforming Machinery

Brown C-Series thermoformers offer an entry level machine with exceptional productivity, consistent performance and rugged durability. This equipment reflects over 50 years of improvements and refinements in design and construction, and utilizes the latest in high-speed web fed thermoforming technology. The C-Series thermoformers are capable of processing either rigid or foam materials with equal capability. A rugged and reliable form station incorporates top and bottom platens actuated by pneumatic toggle assemblies for powerful and repeatable motions. With various oven heater and control capabilities and equipped with an array of standard options, these formers can produce virtually any in-line thermoformable product out of virtually any thermformable material.

When interfaced with Brown Trim Presses, Lip Rollers, Product Handlers, Tooling and process services, we provide a complete product / process solution.

### Safety Features

- Guards. Designed to provide high visibility and easy access for operator safety.
- Interlocks. Electrical interlocks are standard on moving guards or areas requiring frequent access.
- Safety Tags. Bilingual with pictographic tags are standard.
- Main Electrical Disconnect with padlock.
- Stop Buttons. Large red palm stop buttons are standard. When depressed, they lock in the off position and must be pulled up and rotated back into a reset position.
- All safety features should be in place and functional at all times.

### C-Series Options

- Quick Tool Change Package
- Thermoformer Control System
- Bottom Platen Speed Control
- Clam Shell Oven
- Multiple Heater Options
- Oven Sheet Support
- Sheet Edge Pre-Heaters
- Auxiliary Valves
- Foam Processing Options
- Motorized Rails
- Air Cylinder Chain Tensioners
- Pin Chain 1 1/4" Centers
- Air Conditioned Electrical Cabinets
- Roll Lift for Unwind Stand
- Vacuum Pumps
- Vacuum Pulse Valving
- Temperature Control Units
- UL / CE / CSA / HSE Approval Available
- International Voltages Available
- Spare Parts Kits
- Start-Up and Training
- Custom Options

**C-Series Thermoformers**

Specifications	Model C-2100	Model C-3036	Model C-4200	Model C-4600
Maximum Mold Size	25" wide x 26" long (635 mm x 660 mm)	30" wide x 36" long (762 mm x 914 mm)	40" wide x 42" long (1016 mm x 1067 mm)	50" wide x 50" long (1270 mm x 1270 mm)
Maximum Sheet Width	28" (711 mm)	33" (838 mm)	43" (1092 mm)	53" (1346 mm)
Maximum Depth of Draw	6" (152 mm)	6" (152 mm)	6" (152 mm)	6" (152 mm)
Maximum Forming Pressure	100 psi	100 psi	100 psi	80 psi
Platen / Index Drives	Air toggle platen drive / servo index drive			
Oven	"C" style with rollout, 4 stops, optional clamshell oven available			
Oven / Control Options	Multiple heater types/ oven configurations, including custom options available			
Optional Vacuum Pump	41 cfm	63 cfm	112 cfm	180 cfm
Power Unwind	Two (2) 48" dia (1219mm) rolls			
Air Consumption (cu. ft. free air per cycle)	5 cfm	5 cfm	7 cfm	7 cfm
Average Operational KVA	87 kva	130 kva	190 kva	232 kva
Lubrication	Automatic	Automatic	Automatic	Automatic
Sequential Cycle Control	PLC/Panelmate	PLC/Panelmate	PLC/Panelmate	PLC/Panelmate

**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**

**World Headquarters:** Brown Machine LLC, 330 N. Ross St. Beaverton, Michigan 48612, USA

Ph: 989.435.7741

[sales@brown-machine.com](mailto:sales@brown-machine.com)

[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