



SR-Series Continuous Thermoformer



Fast, Precise Forming and Trimming Equipment

Brown Machine offers a complete range of pneumatic driven thermoformers with pneumatic rule/forged high die trimming for blister packs, medical trays, food packaging and other products.

These thermoformers feature a linear guided form station with high tonnage pneumatic toggles and heavy duty trim stations that develop 75 tons of trim force and are solidly integrated into the frame. The trim station is supported on linear bearing rails with a X-Y-W adjustment to allow adjusting while operating. The trim force is generated by Brown Machine's proprietary wedge action.

A touchscreen HMI with PLC controls both machine and oven controls and a high torque electric servo motor allows for fast and reliable sheet indexing.

For rapid sheet width adjustment a splined drive shaft and motorized chain rails are available along with pneumatic chain tensioners.

A clam shell oven with various heater and zone configurations provide optimum material heat control.

Safety Features

- Guards. Designed to provide high visibility and easy access for operator safety.
- Interlocks. Electrical interlocks are standard on moving guards.
- Safety Tags. Bilingual with pictographic tags are standard.
- Main Electrical Disconnect. Has 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.

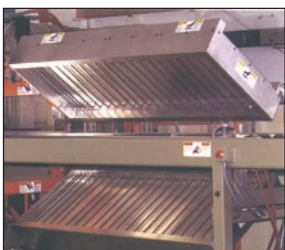
- All safety features should be in place and functional at all times.

SR-Series Options

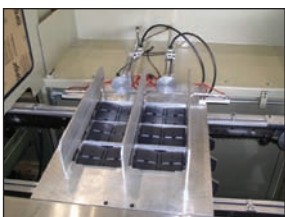
- Quick Tool Change Package with Hoist
- Heated Plug and Heated Die Circuitry
- Pre-punch or Burn Station
- 150 ton Trim Force Station
- Motorized Trim Station X-Y-W Arrangement
- Web Vacuum and De-Ionizing Systems
- Upstacker or Downstacker Systems
- Robotic Product Removal
- Servo Valve Packages
- Oven Sheet Support
- Four (4) Stop Oven Configuration
- Oven Layouts and Zoning
- Sheet Edge Pre-heaters
- Motorized Rails
- Pneumatic Chain Tensioners
- Circuit Breakers
- Air Conditioned Electrical Cabinets
- Unwind Stand and Roll Lift
- Vacuum Pumps and Temperature Control Units
- UL / CE / CSA / HSE Approval Available
- International Voltages Available
- Spare Parts Kits
- Start-Up and Training
- Custom Options



High Tonnage Trim Station



Clam Shell Oven



Upstacking with Product Pushoff

Specifications	Model SR-2532	Model SR-3036	Model SR-4040
Maximum Mold Size	25" wide x 32" long (635mm x 813mm)	30" wide x 36" long (762mm x 914mm)	40" wide x 40" long (1016mm x 1016mm)
Maximum Sheet Width	28" (711mm)	33" (838mm)	43" (1092mm)
Maximum Depth of Draw	4" (102mm)	6" (152mm)	6" (152mm)
Maximum Forming Pressure	100 psi	100 psi	100 psi
Platen / Index Drives	Pneumatic/ Servo Motor	Pneumatic Servo Motor	Pneumatic/ Servo Motor
Trim Actuation	Pneumatic wedge actuation for 75 or 150 ton capabilities		
Trim Station Adjustment	X-Y-W trim adjust with available motorized option		
Oven	Three (3) stop clamshell oven		
Oven/Control Options	Cal-Rad, ceramic quartz panel heaters with multiple zone arrangements		
Vacuum Pump	Various CFM options		
Power Unwind	Optional two 48" (1219mm) diameter rolls with sheet payout system Optional roll lift available		
Lubrication	Automatic grease and oil lubrication systems		
Machine Controls	Touchscreen HMI with PLC control, available Brown Series 4.0 Non-proprietary open architecture system with PC/PLC/oven control/motion control, unlimited recipe storage, modem and Ethernet communication		

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



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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.

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