



## SRS-Series Thermoformers



Photo shown may include optional items



Servo Trim Station



Easy Access for Tool Change



Retractable Clamshell Oven

### High Speed Inline Forming with Precise Servo Actuated Rule/High Die Trimming for Extended Die Life

Brown Machine offers a complete range of servo driven thermoformers with servo rule/forged high die trimming for blister packs, medical trays, food packaging, and other products. Independent acting servo controlled top and bottom platens are guided on linear bearings, coupled with rugged mechanical linkage for fast, smooth, precise and repeatable linear motion of the form station. The trim station's independent upper platen incorporates the same design as the form station with the lower platen driven by a servo actuated wedge to develop the trim force. Servo trim actuation provides exact repeatable trim positioning and force resulting in extended die life. Easy trim station adjustment via linear rails. Clam shell oven with various heater and zone configurations to provide optimum material heat control. Series 4.0 Open Architecture Control System for user friendly operation and control of the complete thermoforming system. High speed precise servo index system. Easy access and features for quick change of form and trim tool tooling.

### 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. 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.

### SRS-Series Options

- Quick Tool Change Package with Hoist
- Heated Plug and Heated Die Circuitry
- Servo Third Motion Plug Assist
- 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
- Increased Torque Index System
- Pneumatic Chain Tensioners
- Circuit Breakers
- Air Conditioned Electrical Cabinets
- Roll Lift for Unwind Stand
- Vacuum Pumps and Temperature Control Units
- UL / CE / CSA / HSE Approval Available
- International Voltages Available
- Spare Parts Kits
- Start-Up and Training
- Custom Options

## SRS-Series Thermoformers

Specifications	Model SRS-2526	Model SRS-3036	Model SRS-4040	Model SRS-5050
Maximum Mold/Trim Size	25" wide x 26" long (635mm x 660mm)	30" wide x 36" long (762mm x 914mm)	40" wide x 42" long (1016mm x 1067mm)	50" wide x 50" long (1270mm x 1270mm)
Maximum Depth of Draw	6" (152mm)	6" (152mm)	7" (178mm)	7" (178mm)
Maximum Forming Pressure	32.5 tons	45 tons	84 tons	84 tons
Form/Trim/Index Drives	5 axis Servo system			
Trim Actuation	Servo wedge actuation for 75 or 150 ton capabilities			150 ton capability
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 control arrangements			
Vacuum Pump	Various CFM options			
Power Unwind	Two 48" (1219mm) diameter rolls with sheet payout system Optional Auto Roll Lift available			
Air Consumption*	.50 scf	.75 scf	1.00 scf	1.25 scf
Average Operational KVA	150 kva	210 kva	270 kva	310 kva
Lubrication	Automatic grease and oil lubrication systems			
Machine Controls	Brown Series 4.0 Non-proprietary open architecture system with PC/PLC/oven control/motion control, unlimited recipe storage, modem and Ethernet communication			

\* Air consumption does not include tooling functions

Specifications subject to change without prior notification.

## 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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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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