



R-Series Rotary Thermoformer



S-Series Shuttle Thermoformer

### AL90 Four-way Adjustable Clamp Frame System

This new leading edge, fast, light weight AL90 clamp frame system gives you all the latest in four way adjustable clamp frame technology. The AL90 has the ability to move a short section, as small as 6" to an inventory position without removing it from the frame section. This eliminates the need for additional short bars.

The use of quick release pins, Telespar tubing, high temperature teflon hose and push-loc quick disconnects allows for tool-less frame changes. These features make the AL90 the easiest, most versatile design in the industry decreasing the clamp frame change-over time to a fraction of traditional

and AL90 Four-way Adjustable Clamp Frame System competitive systems. The wide mouth opening for easier positioning of the sheet, coupled with the ribbed edge design and optimum holding force, gives the ability to run minimal offal (3/8" to 1 1/2") depending on your process requirements. The aluminum construction allows the system to absorb and dissipate heat faster than traditional systems and decreases the overall weight.

The AL90 Clamp Frames are available on all new Brown cut sheet equipment and can be retrofit to any cut sheet machine.

**Need Productivity?**

***Retrofit Kits or Remanufacture Can Be Your Answer***

In Addition to the AL90 Clamp Frames, Brown Machine offers a wide array of retrofit kits to upgrade your current equipment. Like other capital equipment, your thermoforming machinery eventually becomes technically outdated or inefficient. Adding a retrofit kit can provide features and options that were not available on your original machine. Retrofit kits can provide improvements in speed, reliability, safety, productivity or ease of control.

If your equipment requires significant upgrades or your machine condition has deteriorated, Brown offers complete remanufacturing services. By upgrading worn or outdated equipment with the latest technology, remanufacturing provides performance approaching “new machine” capabilities for maximum return on your equipment investment.

**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
- Recreational 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
- Remanufacturing
- Service: 24-7
- 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