



## LR-1 Lip Roller



### Single Station LR-1 Lip Roller

***A single station lip roller designed for prototype lip rolling applications.***

The LR-1 lip rolling process is initiated by positioning a round container on a mandrel and then activating the start sequence. The container begins spinning and a heater arm is moved inward to a pre-set position to heat the lip of the container. At the completion of the heat cycle the heater arm is retracted and the roller arm with mandrel is set in motion to roll the lip of the product.

Electrical, pneumatic and mechanical functions are controlled by timers and stops to achieve a repeatable process.

Each mandrel is designed specific to the containers internal mouth dimensions to provide optimum fit and rotation during the lip rolling stage.

The LR-1 is a cost effective lab environment machine that allows evaluation and testing of lip rolled containers prior to the investment of multicavity tooling and production lip rolling screws.

## Need Productivity?

### *Retrofits Kits or Remanufacture Can Be Your Answer*

In addition to the LR-1 Lip Roller, 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 Like other capital equipment, your thermoforming machinery eventually becomes technically outdated or inefficient.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 By upgrading worn or outdated equipment with the latest technology, remanufacturing provides performance approaching “new machine” capabilities for maximum return on your equipment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, and Fremont, Ohio, 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

Toolling, 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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