



Electric Rotate and Shot Pin System



R-Series Rotary Thermoformer



"Shot-Pin" Holding System



Rotate Gear and Wheel

Achieve a Fast, Smooth Rotate with a Precise, Positive Wheel Rimlock

Upgrade existing Brown Rotary Thermoformers with "Push" or "Push/Pull" Rotate Systems to the "state of the art" smooth and positive Electric Gear Rotate System. Successfully installed in applications with 18' to 50' wheel diameters and generating rotate speeds as low as 4 seconds the main features of this system are **accuracy, reliability, speed and positive rimlock.**

The wheel is indexed utilizing a bull gear mounted on a slewing bearing for precise and stable indexing of the wheel and driven with a gearmotor. The rotate gear is positioned directly under the wheel eliminating center shaft windup resulting in an exceptionally accurate wheel position. Fast acceleration, speed and deceleration of the rotate profile

are controlled through the Variable Frequency Drive that is programmed to maximize speed and precision while eliminating wheel shake and shudder. The wheel is additionally supported by perimeter wheel supports and an integral brake within the gearmotor will stop the wheel in the event of an "E-Stop".

The wheel is registered in place by either a single or dual "Shot-Pin" holding system located at the end of the form station for positive rimlock..

This system sets the industry standard on new equipment and is available on existing equipment in both clockwise and counter clockwise rotation.

Need Productivity?

Retrofit Kits or Remanufacture Can Be Your Answer

In addition to the Electric Rotate Kit, 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 Like other capital equipment, your thermoforming machinery eventually becomes technically outdated or inefficient.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 By upgrading worn or outdated equipment with the latest technology, remanufacturing provides performance approaching “new machine” capabilities for maximum return on your equipment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
- 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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