



Rotary Cup / Tray Sealing and Cutting Machine

Unlike a flow wrapper, this is an indexing rotary-table system designed to seal pre-formed cups, tubs, or small trays using a roll of sealing film.

How This Machine Functions

- 1. Rotary Indexing Table:** Pre-made plastic or paper cups/trays are placed into the dedicated mold cavities on the circular plate. The plate rotates step-by-step (indexes) to move the containers through different stations.
- 2. Filling (Optional / External):** The containers are filled with liquid, paste, cream, or solid items (like yogurt, hummus, sauces, or portion-pack snacks).
- 3. Film Feed & Heat Sealing:** The film feed shafts pull a continuous layer of lidding film over the cups. The heavy pneumatic heat-sealing assembly (seen at the back left) presses down to heat-seal the film to the rim of the container.

4. **Pneumatic Cutting:** The machine simultaneously cuts the film precisely around the perimeter of each individual cup, leaving a clean edge.
5. **Film Rewind:** The leftover waste film scrap is collected automatically on the secondary roller on the right.

Key Features Visible in the Image

- **Multi-Cavity Mold:** This specific setup is configured for a **3-cavity layout per station**, meaning it seals three containers simultaneously with every press, significantly increasing production output.
- **PLC Touchscreen Control Panel:** Mounted on the right side for easy monitoring of sealing temperatures, dwell time, and indexing speeds.
- **Stainless Steel Construction:** Built entirely from industrial stainless steel, making it ideal for hygienic food production, dairy, cosmetics, or pharmaceutical environments.

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