

# PIR Solutions for Smarter Manufacturing

## Closing the Loop on Plastic Pail Production



### What PIR Means for Your Products

PIR transforms plastic scrap from our manufacturing process into valuable material that can be used again. Instead of discarding pails, lids, runners, handles, tampers, or triggers, and molding remnants, we grind and repurpose them into clean, uniform pellets that become part of new pails.

This closed-loop process reduces waste, improves material efficiency, and supports a more sustainable way of producing high-quality plastic pails.

Our commitment to PIR is driven by performance, responsibility, and innovation. With every PIR-ready product we create, we help our customers choose smarter, cleaner, and more cost-effective packaging solutions.

### Why PIR Matters

PIR reduces reliance on virgin resin, lowers energy use, and keeps plastic in circulation longer. As sustainable packaging demand grows, it becomes not just efficient — but a strategic advantage.

We continue to expand our PIR capabilities, improve material consistency, and increase recycled content, moving toward a manufacturing cycle where every pail supports a more resource-conscious future.

### How the PIR Process Works

**Collection:** Scrap plastic— rejected pails, sprues, and runners— is gathered

**Grinding:** Material is granulated into uniform pellets

**Cleaning:** Pellets are screened and cleaned to ensure quality

**Blending:** PIR is mixed with virgin resin, often around 30%

**Production:** The blend is molded into durable, high-performing pails



### Advantages of PIR Pails

#### Environmental Benefits:

- Diverts scrap plastic from landfills
- Reduces greenhouse gas emissions
- Decreases demand for virgin petrochemical materials
- Supports a circular, waste-reducing production system

#### Operational Benefits:

- Reliable performance suitable for many industrial applications
- Strong impact and chemical resistance
- Lightweight, durable, and consistently produced
- Stable supply of recycled material reduces dependency on volatile virgin resin markets

#### Cost & Brand Value:

- Regrind resin is typically 20-50% more cost-effective than virgin materials
- Helps companies meet ESG, recycled-content, and regulatory goals
- Demonstrates environmental stewardship to customers

