

Reliance Mixers Delivers Custom Industrial Mixing Equipment to Manufacturers Across the Americas

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Missouri City, Texas Jun 5, 2026 ([IssueWire.com](https://www.issuewire.com)) - Reliance Mixers, a manufacturer of industrial mixing equipment based in Missouri City, Texas, continues to expand its presence across North and South America with [customized industrial mixers](#) engineered for the specific requirements of material processing. Since 1982, the company has designed and built mixing systems that address production challenges across plastics, chemicals, coatings, battery manufacturing, and specialty materials sectors.

Engineered around the Material, Not Limited by the Catalog

Manufacturers increasingly move away from off-the-shelf equipment toward customized mixers that match their actual process conditions. Reliance approaches each project by analyzing material behavior, thermal sensitivity, batch requirements, and downstream integration needs before specifying equipment.

The company's engineering team selects exact tip speeds, blade configurations, and cooling capacities based on how each material responds during processing. For PVC compounding, this means achieving the industry-critical 40 meters per second tip speed for homogeneous dry blends in under six minutes. For temperature-sensitive rotomolding compounds, the speed drops to 20 meters per second to preserve particle integrity. For powder coatings and color concentrates, medium-intensity container mixing maintains charge characteristics while achieving uniform distribution.

Comprehensive Equipment Portfolio

As an industrial mixing solutions manufacturer, Reliance produces equipment across multiple intensity levels:

- [High Intensity Mixers](#) handle demanding applications with tip speeds up to 40 meters per second, serving PVC compounding, rubber blending, and masterbatch production.
- [Cooling Mixers](#) rapidly reduce material temperatures post-mixing to maintain batch integrity and prevent degradation.
- Paddle and Universal Mixers provide low to medium intensity blending for gentle material handling.
- [Container Mixers](#) use tumbling action optimized for powder coatings, color concentrates, and applications requiring particle preservation.
- Batch Mixers offer single-batch processing with manual or PLC-controlled operation, configurable from low to high intensity based on material characteristics.

Domestic Manufacturing Advantage

Reliance manufactures all equipment at its Missouri City, Texas facility. This domestic production model eliminates extended lead times for equipment and replacement components that manufacturers often face with overseas suppliers. Parts ship directly from the Texas warehouse, and engineering support is accessible without time zone delays.

The company also provides comprehensive rebuilding services for industrial mixers from Henschel, Prodex, Plasmecc, and Littleford. Rebuilds typically include mechanical refurbishment, component replacement, performance enhancements, and control system upgrades. In many cases, rebuilt equipment achieves better cycle times than original specifications while extending operational life.

Control System Integration

Modern manufacturing demands precise process control. Reliance integrates control systems ranging from basic manual operation to full PLC automation with recipe management, batch logging, and plant equipment integration. Variable frequency drives enable precise speed control, and full instrumentation packages provide process monitoring. Data logging supports quality assurance and batch traceability requirements.

Industries Served

Reliance's high-quality industrial mixer machines serve diverse production environments:

- Plastics and PVC processing facilities use high-intensity mixing for homogeneous blends with precise temperature control.
- Powder coating and color concentrate manufacturers rely on container mixer technology that preserves particle integrity and prevents impact fusion.
- Battery manufacturers employ specialized mixing solutions for electrode materials, addressing precise shear, speed, and temperature control requirements for anode and cathode slurry production.
- Chemical and specialty materials processors use batch and continuous configurations for reactions and homogeneous blending. Food, pharmaceutical, and rubber operations also benefit from application-specific equipment designs.

Technical Performance Standards

Reliance equipment achieves specific performance benchmarks validated through production testing. High-intensity mixers reach the 40 meters per second tip speed critical for PVC compounding. Cooling systems complete temperature reduction before discharge requirements. Batch-to-batch consistency protocols minimize variation, and cycle time optimization reduces overall production duration.

About Reliance Mixers

Reliance Mixers is a U.S.-based manufacturer specializing in mixing equipment for industrial applications. Since 1982, the company has engineered and built mixing equipment in Missouri City, Texas, serving production facilities across North and South America. The company provides both new and rebuilt equipment supported by comprehensive technical services and domestically available replacement parts.

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