

Reliance Mixers Expands Custom Engineering Program to Address Surge in Demand for Application-Specific Mixing Equipment

Reliance Mixers, a Texas manufacturer, reports 40% increase in requests for customized industrial mixers as production facilities move away from standard catalog equipment.

Missouri City, Texas Jun 5, 2026 ([IssueWire.com](https://www.issuewire.com)) - Reliance Mixers, a Texas-based industrial equipment manufacturer, has expanded its custom engineering department to meet rising demand from production facilities that have outgrown standard mixing equipment. The expansion adds three senior application engineers and dedicated testing capacity for material analysis, resources the company is directing toward manufacturers struggling with mixers built for general use rather than their specific process.

The Problem With One-Size-Fits All

A food-ingredient producer in Minnesota recently contacted [Reliance mixer in North Carlonia](#) after burning through three batches of expensive specialty additive. Their standard mixer (purchased from a major catalog supplier) created friction hot spots that degraded the material. The supplier's solution: buy a larger unit. Reliance's engineers instead modified the blade geometry and added precision temperature controls to the existing vessel footprint.

The plant manager, who declined to be named due to company policy, said the modification eliminated the hot spots and reduced batch-to-batch variation by roughly 60 percent.

This scenario, standard equipment failing specific processes, is driving the demand Reliance is now scaling to meet.

What Reliance Actually Builds

The company operates across three business lines from its Missouri City facility:

Customized Industrial Mixers

Engineered from scratch when existing designs cannot handle the material, process, or quality requirements. Recent projects include [customized mixers](#) for battery electrode slurries, where particle consistency impacts charge capacity, and units for temperature-sensitive pharmaceutical ingredients.

Reliance Rebuilt Mixers in Texas

Restored and enhanced equipment originally built by Henschel, Prodex, Plasmec, Littleford, and others. The company reports that rebuilt units often outperform their original specifications after engineering modifications informed by decades of field data.

A rotational molder in Ohio sent Reliance a 15-year-old [cooling mixer](#) cycling in 11 minutes. The original manufacturer no longer supported the model. Reliance restored jacket integrity, upgraded the discharge system, and modified the tool configuration. The unit now cycles in under six minutes.

Industrial Mixer Control Systems

Programmable systems providing real-time monitoring of speed, temperature, batch time, and energy consumption. Unlike imported alternatives, these are programmed, tested, and supported from Texas.

Why Location Still Matters

Reliance has been manufacturing in Texas since 1982. For production managers, this means quotes without international time zones, parts shipped from Missouri City rather than overseas, and phone support from engineers who can walk to the shop floor.

The company reports average lead times of 8-12 weeks for custom builds and 4-6 weeks for rebuilds—timeframes that have become more competitive as overseas supply chains face continued strain.

About Reliance Mixers

Reliance Mixers is a U.S.-based manufacturer specializing in industrial mixing and cooling systems for plastic processing and advanced material applications. With decades of engineering experience, the company designs high-performance equipment focused on durability, precision, and consistent batch results across demanding production environments.

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