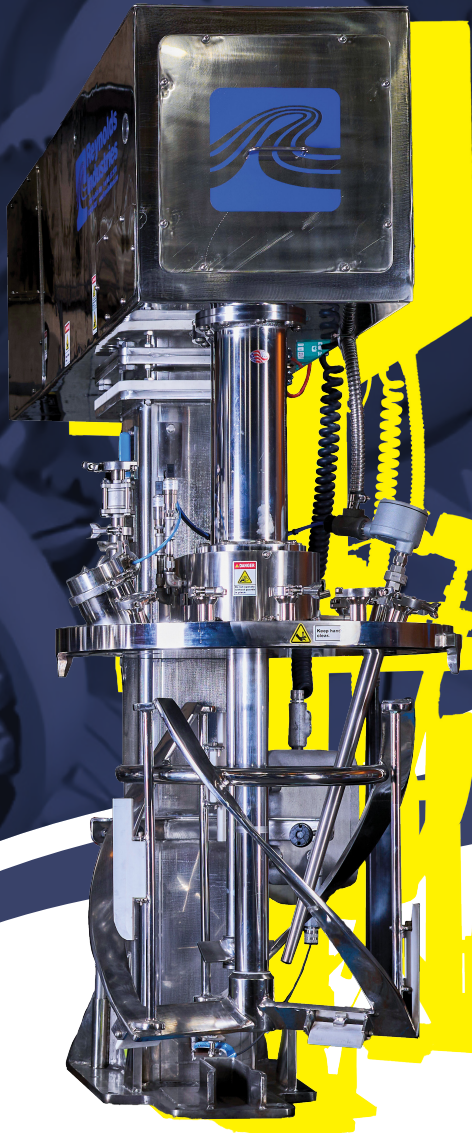




**THE MOST DEPENDABLE & EFFICIENT
INDUSTRIAL MIXING SYSTEMS**

DUAL SHAFT MIXER



www.reynoldsmixers.com

DUAL SHAFT MIXER

DESCRIPTION

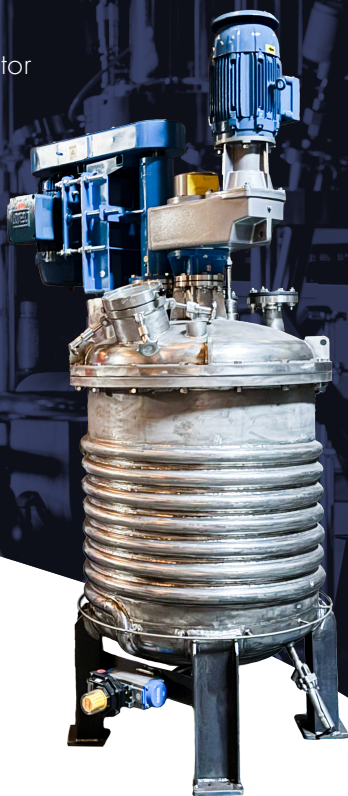
Reynolds Dual Shaft mixer is a powerful, efficient, and versatile mixer that combines a low speed helical blade agitator with a saw-tooth high speed disperser to provide optimum batch turnover in manufacturing of high viscosity products. The helical blade design with a close tolerance gap eliminates hot or cold spots in temperature controlled processes. The helical blade attached with scrapers supports improving heat transfer across jacketed vessel side wall and vessel bottom wall. Viscous finished product that is too slow to discharge by gravity or/and support with helical blade is usually pressed out of the vessel by a platen-style Reynolds Press-Out Station System which includes a rapid advanced feature with fast and slow platen movement. This technique allows for fast and efficient product discharge transfer with minimal waste and clean-up.

MIXER FEATURES

- Helical blade low speed agitator with offset high-speed disperser blade
- High shear or high vane disperser blade options
- Helical blade rotations
 - Clockwise pumping material down
 - Counterclockwise pumping material up
- Lift actuator (pneumatic or hydraulic)
- ASME code stamped vessel can be designed for full vacuum/100-psig service with 150-psig dimpled, half-pipe, or conventional stainless-steel jacket for heating/cooling (high pressure rating is available on request)
- Wetted parts are stainless steel 304 polished to 120-grit for easy clean up (#4 mirror finish is available on request)
- Lid can be fitted with temperature probe, cleaning spray nozzels, vacuum fittings, light and sight glass, flanges, and multiple product inlet nozzels to deliver liquid raw materials
- Safety switch and alarms are provided to prevent rotating part operation when vessel or agitator are not in mixing position
- Manual valve design with teflon plug to avoid unmixed product in discharge nozzle
- Submerged top down temperature probe to optimize actual product temperature

MIXER OPTIONS

- Vacuum pump
- Liflex fiber optic sight glass with wipers, camera, and other auxillary equipment
- Lift or mount cleaning spring nozzle/system
- Mechanical seal with flush systems
- Heating and cooling systems
- Special voltages & frequencies motor
- Hydraulic drive for highly viscous material



MIXER APPLICATIONS

- Adhesives
- Automotive catalysts
- Battery pastes
- Casting materials
- Caulking compounds
- Ceramic composites
- Chemicals
- Coatings
- Epoxies
- Hot melts
- Plastic resins
- Lubricants
- Metallic slurries
- Pigment
- Plastisol
- Silicones
- Polymers
- Thick inks

WHY CHOOSE US

DEPENDABLE LONGER LASTING MIXERS

Made in the USA. 100% designed and built in-house. We can provide full system integration which ensures everything works together.

EFFICIENT MINIMIZE BATCH CYCLE TIME

Make more product in less time. We patented the helical blade for industrial mixers, and have been maximizing performance ever since.

LOWEST TOTAL COST RIGHT FIT & EASY MAINTENANCE

We tailor our standard designs to your specific needs, and provide solutions to enhance your profitability.

CONTACT US



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