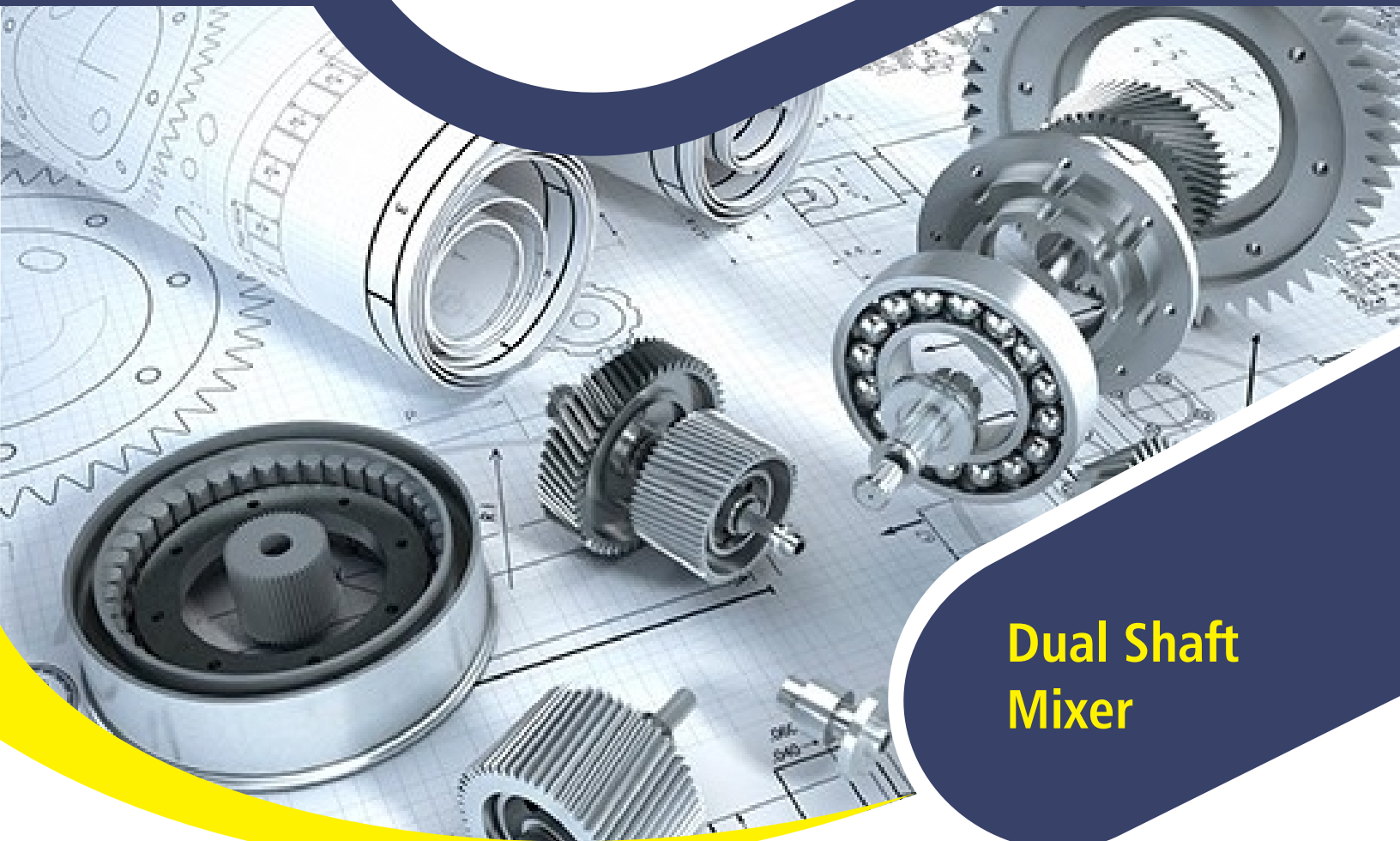


A LEADER IN THE CREATIVE MIXING INDUSTRY

Trusted Since 1976



**Dual Shaft
Mixer**



**Reynolds
Industries**

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 OPTIONS

- Vacuum Pump,
- Liflex Fiber Optic Sight Glass with wipers, Camera and other Auxiliary Equipment
- Lift or Mount cleaning spring nozzle/system
- Mechanical Seal with flush systems
- Heating and cooling systems
- Special Voltages and frequencies Motor
- Hydraulic Drive for highly viscous material



MIXER FEATURES

- Helical Blade Low Speed Agitator with Offset High-Speed Disperser Blade.
- High shear or High Vane Disperser Blade
- Helical Blade Rotation
 - **Clockwise Pumping Material Down**
 - **Counterclockwise Pumping Material Up**
- Lift Actuator (Pneumatic or Hydraulic depending on size)
- ASME code stamped Vessel can be designed for full vacuum/100-psig service with 150-psig dimpled, Half-Pipe, conventional stainless-steel jacket is supplied around the vessel for heating/cooling (High pressure rating is available upon request)
- Wetted parts are stainless steel 304 polished to 120-grit for easy clean up (#4-8 Mirror finish is available upon request).
- Lid can be fitted with temperature probe, cleaning spray nozzles, vacuum fittings, light and sight glass, flanges, and multiple product inlet nozzles to deliver liquid raw materials.
- Safety switch and safety 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 product measuring temperature probe to optimize actual product temperature.

For more information on Dual Shaft Mixers visit www.reynoldsmixers.com or call 1-803-548-4301 to speak with mixing specialists about your application

www.reynoldsmixers.com

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



STANDARD MODELS

DUAL SHAFT MIXER WITH LIFT						
Model	HP	HS Blade Dia (In)	HS Shaft Max RPM	LS Shaft Max RPM	Standard Lift (In)	Vessel Capacity (Gal)
RDSML-2/1	2/1	2	8000	50	16	2-5
RDSML-5/3	5/3	5	4200	50	24	10-30
RDSML-10/5	10/5	5	4200	60	36	30-50
RDSML-15/7.5	15/7.5	4	4770	45	36	30-50
RDSML-25/15	25/15	8	2385	45	42	50-100
RDSML-40/20	40/20	12	1750	50	46	100-200
RDSML-50/25	50/25	14	1365	40	42	200-300
RDSML-75/40	75/40	14	1570	40	76	300-500
RDSML-125/60	125/60	14	1365	30	60	300-500

DUAL SHAFT MIXER WITHOUT LIFT					
Model	HP	HS Blade Dia (In)	HS Shaft Max RPM	LS Shaft Max RPM	Vessel Capacity (Gal)
RDSM-20/10	20/10	8	2300	40	100-250
RDSM-25/15	25/15	8	2300	40	100-250
RDSM-50/25	50/25	12	1200	40	250-600
RDSM-60/40	60/40	18	1200	40	600-1000
RDSM-100/50	100/50	18	1200	40	500-1200
RDSM-150/75	150/75	22	955	25	1000-2000
RDSM-200/75	200/75	26	770	25	2000-2500
RDSM-250/125	250/125	28	690	20	2500-4000
RDSM-300/150	300/150	30	640	20	5000-7500

OTHER INFORMATION

Use press-out system to move high-viscosity or non-flowing products from the final processing vessel to final shipping containers, cartridges or other final packing.

Reynolds Industries can perform lab tests on customer's products. Our process experts will design a mixing system for your new product or to help with your existing mixing process. Our engineering team will determine a cost effective and long-lasting systems to meet your processing requirements. Controls can be designed to fit with your existing control system or new control system can be designed for ease of operation.

A world map in shades of blue with a grid pattern. White lines with dots at the ends connect various locations across the globe, representing a global network or distribution system.

Manufacturer of process equipment since 1976

CONTACT US

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REYNOLDS INDUSTRIES PRODUCTS

- Reynolds Dual Shaft Mixer – RDSM
- Reynolds High Speed Disperser – RHSD
- Reynolds Low Speed Agitator – RLSA
- Reynolds Coaxial Mixer – RCM
- Reynolds Sigma Mixer – RSM
- Reynolds Ribbon Blender – RRB
- Reynolds Press-out station – RPS
- Vessels
- Turn-key systems

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