

A LEADER IN THE CREATIVE MIXING INDUSTRY

Trusted Since 1976



**High Speed
Disperser**



www.reynoldsmixers.com

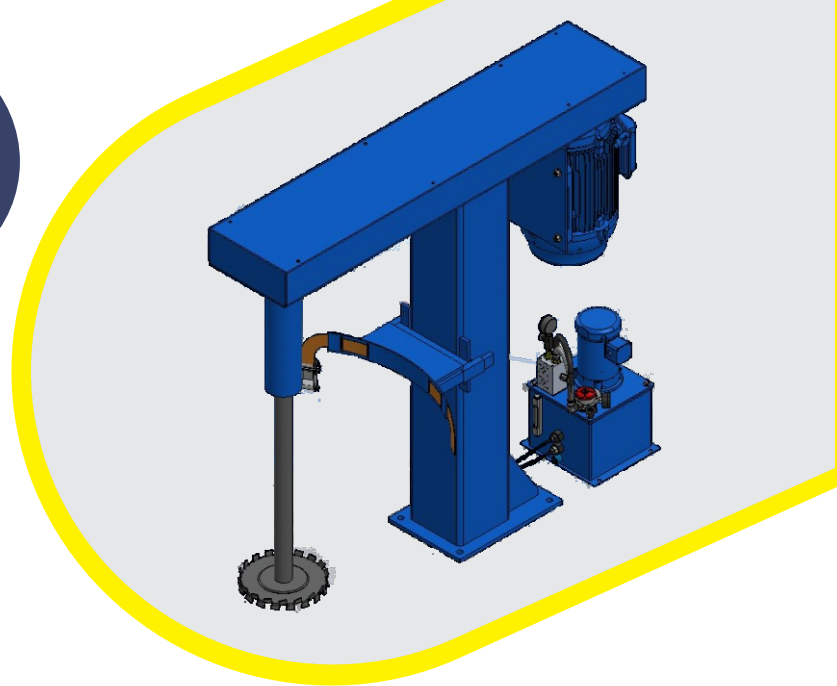
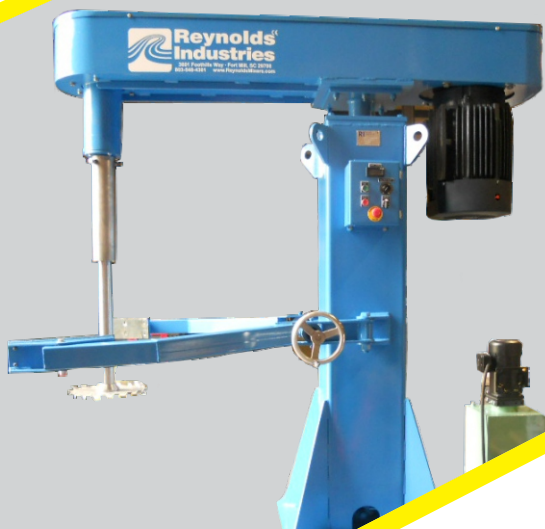
HIGH SPEED DISPERSER

DESCRIPTION

The shear ability of the Reynolds high speed disperser in dissolving powders into liquid base and breaking fragment or lumps of material to form a homogeneous dispersion often reduces traditional mixing batch times. Reynolds was first in introducing large high-powered dispersers with lifting capability and traversing of the mixer throughout the batch that also make it simple to change out batches. The intensity of flow and shear caused by the blade draws powder or solid substance down to the cutting tips of the blade and shaft. Machines can operate in effectively fluid viscosities of water-like to around 50,000 centipoise (cP), whereas viscosities above this usually require dual action or triple action Reynolds dispersers or RHSD with lifting capability. Reynolds disperser is widely used in coating, ink, dye, cosmetic, colorant and pharmaceutical industries.

MIXER OPTIONS

- Variety of blade types
- Hydraulic column lift drive or Air over oil
- Explosion proof
- Mechanical seal
- Vacuum / Pressure Rated Lid
- Lifting and Traversing Capabilities in



MIXER FEATURES

- Sizes from lab and pilot through 300 HP
- High Shear or High Shear Pumping Blade
- Control comes standard mounted on mixer or on a remote panel
- Vessel designs up to 3,000 Gallons
- Lid can be fitted with temperature probe, cleaning spray nozzles, vacuum fittings, light and sight glass, flanges and multiple product inlet nozzles for delivery of liquid raw materials
- Strong and compact column design
- Adjustable supports to fit multiple dimension vessels.
- Multiple mounting configurations, XP rating available
- Wetted parts are stainless steel polished to 120-grit for ease of cleaning (#4-8 Mirror finish is available upon request)
- Manufactured using standard components for fast repairs and less downtime.

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

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MIXER APPLICATIONS

- Adhesives
- Ceramic slurries
- Coatings
- Conductive pastes
- Cosmetic creams
- Lubricants
- Polymers
- Printing inks
- Rubber solutions

STANDARD MODEL

MODELS	HP	BLADE DIAMETER	SHAFT RPM	STANDERS LIFT (In)	VESSEL DIA RANGE(In)	SHAFT DIA (In)
RHSD-5	5	6	3350	48	20-24	1.5
RHSD-7.5	7.5	8	2550	48	24-28	1.5
RHSD-10	10	10	2050	48	28-34	2
RHSD-15	15	12	1650	48	32-38	2
RHSD-20	20	14	1450	52	38-42	2.5
RHSD-25	25	14	1450	52	38-46	2.5
RHSD-30	30	16	1250	52	44-50	3
RHSD-40	40	16	1250	56	44-52	3
RHSD-50	50	18	1150	56	50-58	3.5
RHSD-60	60	18	1150	66	50-58	3.5
RHSD-75	75	20	1050	66	56-64	4
RHSD-100	100	22	950	66	62-70	4

- Large capacity vessels with bridge mount disperser available.

OTHER INFORMATION

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 system to meet your processing requirements. Controls can be designed to fit with your existing control systems or new control systems 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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INQUIRY

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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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