CLEVELAND MIXER
EST. 1940

CLEVELAND MIXER
4 Heritage Park Rd.
Clinton, CT 06413

P: (800) 243-1188
P: (860) 669-1199
F: (860) 669-7491

info@clevelandmixer.com

GCD TOP ENTRY MIXER

GCD SERIES

- » DESIGNED for applications from 5,000 to 1,000,000 gallons.
- » BROAD RANGE of output ratios, output shaft diameters and features.
- » ENHANCED rigid gear reducer design supports cantilevered impeller shafts without compromising longevity or reliability.



SUPER ROBUST, EXCEPTIONALLY RELIABLE

The Cleveland Mixer GCD series features a high efficiency (up to 98%) gear reducer. While most mixing can easily overload ordinary, commercial gear reducers, the GCD's ultra-rigid, single piece, high density, cast iron housing creates a foundation for bearing strength and a long life of trouble free service.

Easy access to the gearbox fixation points reduces assembly and installation time thereby reducing installation and maintenance costs. Oversized gussets at each bearing location and oversized bearings enable the GCD to bear the high bending and torque loads that are typical with most top entry mixing applications.

Our GCD top entry product line is designed for the harshest process conditions. All selections are rated for AGMA Class III conditions — Continuous 24/7 operation under extreme shock loading. The product range is from 3HP to 50HP with output shaft diameters from 1.50 to 4.5 inches. From 1,000 to 500,000 gallons, the GCD product line is designed for your most demanding mixing application. The product line has nine different sizes which offer B10 bearing lives in excess of 50,000 hours as a minimum.

Long intervals between oil changes and the 2-stage gearbox concept reduce maintenance costs and the need for extensive spare parts stocking.

A pedestal allows easy maintenance access and quick installation, reducing downtime and operating costs. The GCD top entry mixer is designed per your application demands, and is available with a host of impeller technologies from high efficiency hydrofoils to custom gas dispersion impellers. Like our other top entry agitators, we back our products with a 3 year mechanical warranty and a process guarantee.

RESILIENT, CUSTOM DESIGN

Near silent operation from high tensile and case hardened steel gear wheels. Gearing is hardened to 62 HRC that is impervious to shock. Gear teeth flanks are hobbed and ground. Unique heat shrunk high speed pinion gear that does not flex and guarantees precise tooth matching. A high tensile strength sealed gear reducer casting ensures long bearing and oil life and reduces the chance for oil leakage. A wide variety of seals are offered and tailored to your application.

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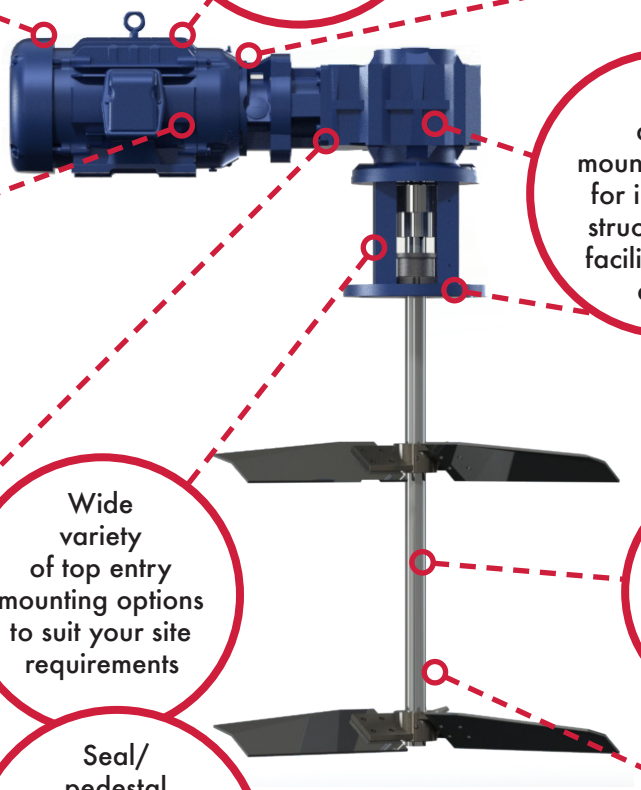
Suitable for 3HP–50HP and 5000 gallons to 1 million gallon applications

Wide varieties of C-face mounted motors facilitate installation and maintenance

Severe duty, premium efficient, inverter duty motors are standard. Hazardous and wash down duty motors available



Right angle mounted motor for increased structural and facilities clearance.

More torque and mixing with a lower energy investment. Lower RPM equals lower HP consumptions and less wear on mixer components.

A wide variety of seal options available to meet your process requirements

Wide variety of top entry mounting options to suit your site requirements

AGMA output speeds range from 20 to 233 RPM

Robust and quiet bevel/helical gear reducer. Low maintenance: 50,000 hour (L10) bearing life; 25K hours first oil change (using synthetic oil); AGMA class III – 24/7 operation under severe shock loads

Seal/pedestal housing design optimized for simplified installation and maintenance.

Minimum 4.0 service factor for impeller shafts for superior durability

Why choose Cleveland Mixer for all your fluid process applications?

- » APPLICATION ENGINEERING—your process goals are our top priority
- » DESIGN FLEXIBILITY—let our engineering team create solutions for you
- » INDUSTRY LEADING DURABILITY and 3 year guarantee