CLEVELAND MIXER
EST. 1940

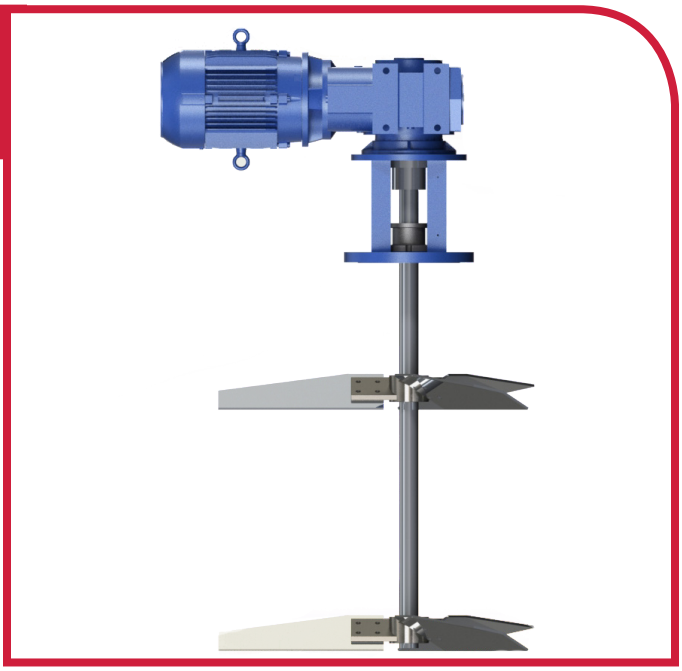
CLEVELAND MIXER
4 Heritage Park Rd.
Clinton, CT 06413

P: (800) 243-1188
P: (860) 669-1199
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info@clevelandmixer.com

XTR TOP ENTRY MIXER

XTR SERIES



- » DESIGNED for applications from 1,000 to 500,000 gallons, from 1 to 50 HP.
- » BROAD RANGE of output ratios, shaft diameters and features to optimize selection for your goals.
- » SIMPLIFIED installation and maintenance with unique, tapered motor shaft coupling and bushing, eliminating seizing from shaft fretting.

SUPER ROBUST, EXCEPTIONALLY RELIABLE

The Cleveland Mixer XTR series features a right angle, helical/worm gear reducer with 90%+ efficiency and high shock load rating.

Easy access to the gearbox fixation points reduces assembly and installation time thereby reducing installation and maintenance costs.

Generous bearing spans supporting a hollow shaft coupling allows the XTR to bear the high bending and torque loads that are typical with most top mount and side entry mixing applications.

Our XTR top entry product line is designed for severe process and atmospheric conditions. All selections are rated for AGMA Class III conditions — Continuous 24/7 operation under extreme shock loading.

The product range is from 1HP to 50HP with output shaft diameters from 1.50 to 3.50 inches. Mixing volumes up to 500,000 gallons can be handled with generous design margins — all in a compact, right angle package.

The product line has six 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 excessive spare parts stocking.

Simplified installation and maintenance with unique, tapered motor shaft coupling and bushing that eliminates seizing from shaft fretting. The XTR top entry mixer is designed per your application demands.

A wide variety of impeller types are offered to meet your process goals quickly and efficiently.

Like our other top entry agitators, we back our products with a 3 year mechanical warranty and a process guarantee.

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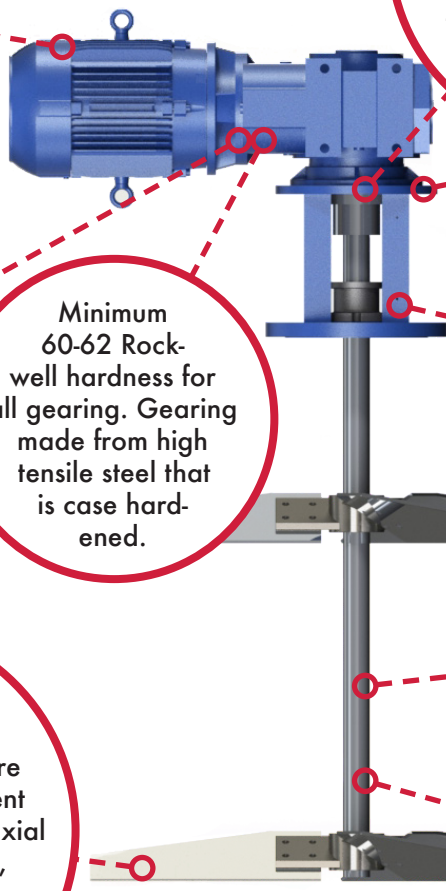
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Wide variety of commercially available c-face mounted motors for ease installation, maintenance and low cost. For select applications, an integrated gear motor is available.

Unique impeller shaft coupling system allows total gear reducer overhaul without removing or blocking impeller shaft for huge improvement in safety, time and cost.

Very high mechanical and thermal HP service factors. All gear reducer selections are based on AGMA III conditions, contiuous duty, severe shock load.



Nearly silent operation and 95+% efficient, helical/worm gearing. Rigid high speed pinion mount for less vibration and more bearing life. First service interval is 15,000 hours.

Minimum 60-62 Rockwell hardness for all gearing. Gearing made from high tensile steel that is case hardened.

Mounting plates available to suit the requirements of your facility. Various impeller shaft seals are also available for your closed tank applications.

Pump shaft quality impeller shafts resulting in greatly reduced system vibration.

Engineered and optimized for your application, impellers are optimized from 7 different famlies, (high efficiency, axial flow, high solidity ratio, radial flow, gas dispersion, solids suspension and high shear).

Minimum 3.0 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