

**CLEVELAND  
MIXER**

EST. 1940

Cleveland Mixer  
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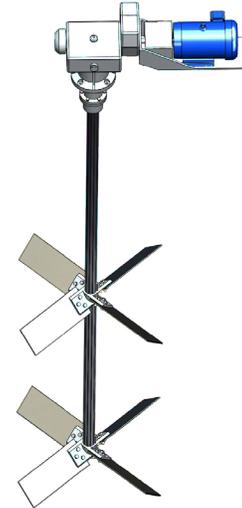
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# Top Entry Turbine Mixer

## (ALD Series)

- Mixer specific gear reducers for cantilevered shafts and high thrust impellers
- True drywell preventing gear reducer lubrication from fouling process fluid
- 12 different models to handle volumes from 1,000 to 1,000,000 gallons



## Robust, Integral Design

Cleveland Mixer's ALD series turbine agitators are designed for the most rigorous and severe of mixing applications. From chemical formulations to high pressure/temperature reactions, solids suspension applications in the mining fields to the pulp/paper industry; the ALD product family has design features to ensure very long service life and low operating costs.

Featuring Cleveland Mixer's drywell construction, ALD series mixers are also truly optimized to provide bearing support for long, cantilevered impeller shafts and large diameter, high thrust impellers.

It is quiet, trouble free, and comes in torque ranges from 1,200 inch pounds up to 150,000 inch pounds.



*"Fluid Handling Specialists"*

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## Positive Drywell

Gear reducer features a drywell design that extends through the gear hub and is always above the lubricant level. Positive leak protection and assurance against gear reducer oil leaking into the process media.

## Superior Gearing

Gearing is single or double reduction worm/helical worm design. Precisely hobbled and machined for optimized gear mesh, reduced vibration and quiet, trouble free operation. All gearing is supported by oversized tapered roller bearings from Timken.

## Broad Configuration Options

Broad range of engineered impellers from high efficiency hydrofoils to moderate level shearing impellers. Wetted materials of construction such as 316L, Hastelloy, Alloy 20, Monel, and Titanium are available. Coated impeller assemblies such as PVDF, PFA and Rubber are also available.

## Secure Sealing

Vapor and fluid seals rated from full vacuum to 200 psig, 400F. Lip seals, stuffing box or packing seals along with single and double mechanical seals are selected according to your process needs.