



## Custom Engineered Agitation Solutions

The MixPro™ line of top entry gear drive agitators provides customers with a robust, reliable agitation source for high production industrial environments. The durable non-proprietary reducer utilizes right angle helical gearing and was designed specifically for abusive applications. Our popular 'GTB' design utilizes process matched wet ends for optimum agitation solutions. The ruggedness of the unit has proven itself in abusive applications, consequently minimizing downtime.

This established MixPro™ design is widely recognized by industry as a leader in top entry agitation equipment.



Built to handle the toughest environments MixPro™ agitators have proven themselves time and again in high production manufacturing environments where quality and performance are paramount. Our quality assurance process tests every mixer to withstand the harshest conditions and perform to specification.



[www.mixproagitators.com](http://www.mixproagitators.com)

SERIES OF TOP ENTRY AGITATORS

GTB

## Features & Benefits

- The agitator drive is comprised of a robust non-proprietary reducer which utilizes right angle helical / spiral bevel gear sets. The minimum mechanical service factor of the gear strength as calculated on continuous operation is 1.5 (based on AGMA 6010 standards). The thermal rating of the reducer exceeds the mechanical rating of the reducer.
- The low speed shaft features a “no-leak” drywell design that physically separates the oil sump from the output shaft to eliminate gear oil contamination of the tank product.
- Upper reducer seals are grease purgable to prevent contaminants from destroying the seals and entering the unit.
- The fabricated carbon steel reducer housing is designed to withstand the stresses of mixing while maintaining accurate gear alignment.
- Helical and spiral-bevel gear sets are hardened to 58-62 RC and precision ground to a minimum AGMA class ID quality (based on AGMA 390.03 standards). This provides for quiet operation and higher reducer efficiency.
- The large diameter, high capacity output shafts are designed to accommodate the high bending moment loads associated with mixing applications. The reducer is sized to accommodate these dynamic loads and provide a minimum bearing L-10 life of 100,000 hours.
- The agitator drive head is available in a variety of configurations, matched to the application (ie. flange mount, plate mount, with tank seal, without tank seal, etc.).
- Optional tank seal is intricate to the reducer housing, eliminating shaft misalignment.
- OSHA guarding is standard for increased safety.
- Accessible lubrication and inspection points are incorporated into the design for increased maintenance servicability.

## Contact Us

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Your local representative is:



## Applications



### Pulp & Paper

- Stock Prep Systems
- Recovery Systems
- Coating Systems
- Effluent Treatment



### Mineral

- Precious Metals (gold & silver)
- Base Metals
- Effluent Treatment
- Cyanide Destruct



### Non-Metallic Minerals

- Clay
- Calcium Carbonate
- Titanium Dioxide



### Chemical

- Paints & Pigments
- Edible Oil
- Starch
- Petro-Chemical
- Alcohol Production
- Building Products



### Wastewater/ Water Treatment

- Flocculation
- Chemical Blending
- Flash Mixers

