DYNAMIX AGITATORS
MIXING EXPERIENCE WITH SOLUTIONS

Portable Mixing Solutions

DMX 4000 & 5000 SERIES

DMX 4000 & 5000 Series

Power and Flexibility for Your Process

The Portable Class of mixers is the workhorse of the process industry. This time-tested design is distinguished for its reliability and flexibility. With a wide range of shaft and impeller options, we engineer and build these units to give you a quality, custom solution at an economical "off-the-shelf" price.

Portable Mixers

- Clamp, plate, or flange mounted, the DMX Series can be adapted to suit your tank
- Permanently lubricated gearbox, minimizing maintenance costs
- External bearing, extending positive hold
- Standard high flow, efficient Dynaflow™ impeller
- Mix it right with our Solution Assurance, available on the DMX 4000 & 5000 Series

Configuration Options

Motors	HP Range: ½ to 2	Air, electric, variable speed, explosion-proof, and more
Gear Reduction	Range: 5:1 to 21:1	Low RPM mixing with substantial torque available
Mounting	Clamp, Plate, Flange	Adaptable to any type of tank
Impellers	Dynaflow™, P4 Pitch, Radial	A full range enables your mixer to deliver perfect mixing quality
Materials	316SS, Custom Coatings	316SS Standard, with specialized coatings available for added corrosion / abrasion resistance

Get a Quote Now!

THE DYNAMIX SOLUTION ASSURANCE

We provide performance-guaranteed solutions designed for your PRODUCT, PROCESS, and ENVIRONMENT.

WEB www.dynamixinc.com
EMAIL info@dynamixinc.com
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At Dynamix, we provide you with a SOLUTION, not just a mixer.

The Difference?

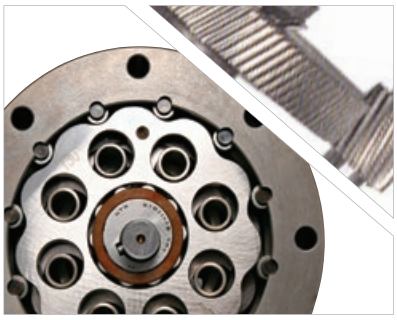
We consider your Product, Process, and Environment.
Our commitment to this is embodied by our Solution Assurance – our process guarantee.

SOLUTION ASSURANCE GUARANTEE

DMX 4000 & 5000 Series Features

Compression Gear Drive a (5000 Series only)

HIGH SHOCK LOAD RATING When buying a mixer you are investing in torque and the construction to handle this torque. Our DMX 5000 Series offers one of the widest ranges of gear reduction (6:1 – 21:1, or 292 – 83rpm) available. These mixers can handle shock loads that are greater than 500% of their rating. This is the reason industry selects Dynamix when process downtime is not an option.

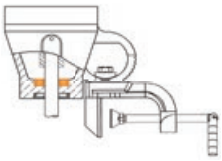


a Rolling compression removes shear and slipping problems related to traditional tooth gears.

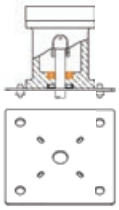
Mounting Options

FLEXIBILITY We offer Clamp Mount, Plate Mount, and Flange Mount.

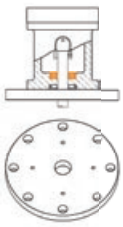
Clamp



Plate



Flange



Auxiliary Bearing Configuration b

DURABILITY Auxiliary bearings are the difference between an economy mixer and one designed for long-term use. Do not let your mixer supplier rely on the bearings in the motor. Dynamix uses auxiliary bearings in order to isolate loads from the motor. This allows the motor to run efficiently and without damage.

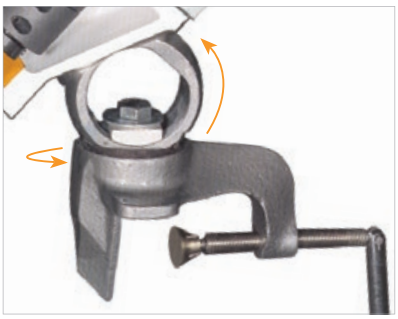
CONTAMINATION The nose cone configuration seperates the gearbox from the output shaft. All gearboxes are lubricated (not oil). This reduces the potential for lubrication to follow the shaft into your application. Dynamix has added additional protection with a double lip seal at the output end of the mount.

b Auxiliary bearing limits overhung loads on drive.

Directional Ball Joint Clamp c

FLEXIBILITY This unique ball joint configuration enables rotation through the vertical and horizontal axes. This flexibility enables it to be used on different tanks and applications to address varying flow patterns and dead spots.

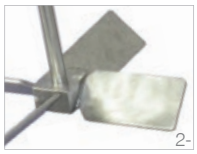
Do not accept aluminum as a clamp mount material. The clamping mount maintains substantial stress to endure the loads of mixing. We use cast steel for our clamp. This ensures secure mounting and long mixing life.



c Directional ball joint pivots on two axes.

Customizable Impellers d

OPTIMIZED MIXING Impeller selection is the starting point of any mixer configuration. Starting with the right impeller means the rest of the mixer can work in balance and provide quality mixing. Issues such as uniformity, area of influence, shear, solid suspension, and many others, are addressed by the impeller selection.



d 1-Dynaflow™
2-Pitch
3-Radial

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