

SMX Series Side Entry Mixers

▲ Tough Mixers for Large Tanks

The SMX side entry mixers are your best solution for providing basic sediment and water (BS&W) re-suspension, blending and temperature uniformity in large tanks.

Why? Because they've been engineered to be durable, leak-proof and easy to operate. They're relatively small compared to their tanks, which makes them more cost-effective than their top-entry counterparts.



Configuration Options

| | | |
|------------------|----------------------|---|
| Motors | HP Range: 1 to 75 | ▶ Standard NEMA C-face motor |
| Gear | Helical | ▶ With oversized tapered roller bearing. Minimum service factor of 1.5 |
| Mounting | ANSI Flange Standard | ▶ Various sizes available |
| Seals | Cartridge Seal | ▶ Split seals, double mechanical seals, and stuffing box also available |
| Impellers | DynaFlow™ | ▶ A full range available on request |



THE DYNAMIX SOLUTION ASSURANCE

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

At Dynamix, we provide you with a SOLUTION, not just a mixer.



The Difference?

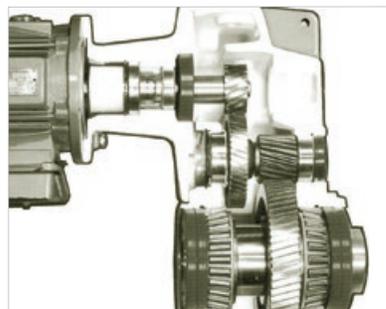
We consider your **Product**, **Process**, and **Environment**.

Our commitment to this is embodied by our **Solution Assurance** – our process guarantee.

SMX Series Industrial Agitators

▲ Gear Drive ^a

HEAVY DUTY With robust helical gearboxes and a minimum service factor of 1.5, these drives are built to last. The rugged shaft support design ensures they can withstand all fluid forces, and the over-sized, tapered roller bearings have an L10 life of over 100,000 hours.



a Heavy duty gear box.

▲ Mechanical Seals ^b

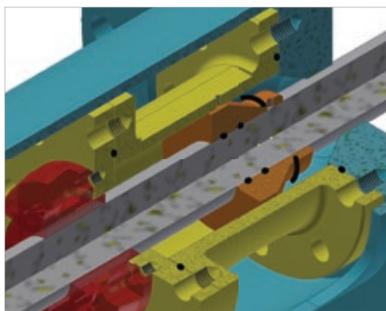
LEAK-PROOF OPERATION While cartridge seals come standard, other optional configurations include stuffing box, split seals, and double mechanical seals. Have a specific brand in mind? We can install to match what customers have in their plant.



b Mechanical seal.

▲ Tank Shut-Off System ^c

SAFETY MEASURE Uniquely designed to seal the tank, it supports and locks the shaft so that you can easily and safely replace the mechanical seal.



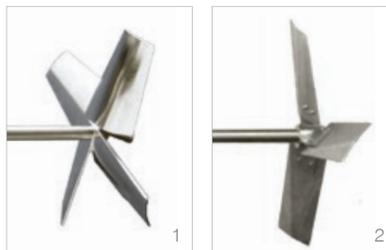
c Tank shut-off system.

▲ Customizable Impellers ^d

Impeller selection is key to mixer configuration. Starting with a suitable impeller means that 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.

HIGH-EFFICIENCY DYNAFLOW™ These standard airfoil blades are designed to maximize pumping for side-entry applications, creating the best blending per horsepower.

P3B MODIFIED PITCH-BLADE For higher shear applications, this impeller bridges the higher-efficiency of the Dynaflow™ impeller with the more intimate mixing capabilities of a standard pitch-blade.



d 1 - DynaFlow™ 2 - Modified Pitch

▲ Construction Material

Carbon steel or stainless steel are standard. Other materials or coating options to address issues such as abrasion / corrosion resistance are also available.

