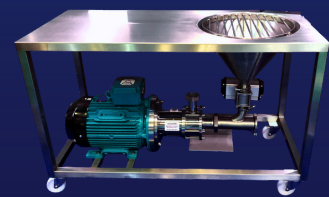


INTEGRATED PROCESS MIXING SYSTEMS

AdPro Vacuum Processing Mixer
50L to 6000L Capacity



Powder / Liquid Mixers
Up to 10,000Kg/Hr Capacity

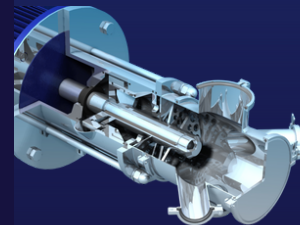
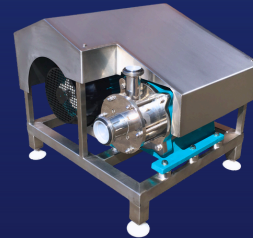
HIGH SHEAR MIXERS

Single Stage High Shear Inline Mixer
100L/Hr to 180,000L/Hr



Single Stage High Shear Inline Mixer
with double seal for arduous duty

High Speed Belt Driven Single Stage Inline Mixer
Up to 40,000L/Hr



AdPro Single Stage High Shear Tank Bottom Mixer
Can be supplied as inline mixer

Multi-stage High Shear Inline Mixer
(For ultra fine mixing)
Up to four rotor stators
100L/Hr to 50,000L/Hr



IN-TANK MIXERS DESIGN AND TECHNOLOGY



AE Mixers
Trent Industrial Estate, Duchess Street, Shaw, Lancashire, OL2 7UT, UK

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HIGH SHEAR VESSEL MIXERS

The AE mixers range of versatile, efficient, high shear top and bottom entry vessel mixers are widely used in a range of industries. The intense mixing action of the mixer results in an improved product consistency with reduced process times compared with conventional low shear mixers.

A comprehensive range of precision machined interchangeable rotor stator work heads can easily be fitted to both top and bottom entry machines, giving the machine flexibility to perform many essential processes.

KEY INDUSTRIES		PROCESSES	
 Pharmaceutical	 Food	 Dispersion	 Homogenisation
 Chemical Applications	 Paints, Inks, & Resins	 Emulsification	 Particle Size Reduction
 Cosmetics / Personnel Healthcare		 Blending	 Solubilisation
		 Solids Suspension	

FEATURES:

- Intense mixing action
- Improved product consistency
- Reduced process times
- Flexible processing
- Interchangeable heads
- 316 stainless steel construction
- Low maintenance
- Hygienic construction

OPTIONAL FEATURES:

- Double mechanical seals for arduous duty*
- Special materials of construction
- Stainless steel motors

*Not ADSB Models



ADSI HIGH SHEAR TOP ENTRY BATCH MIXER

FOR BATCH SIZES 5L TO 5,000L

The versatile ADSI top entry batch mixer can be vessel mounted or mounted on a lifting stand for mixing with interchangeable vessels, bins and containers.

The mixer can be fitted with additional impellers to promote product movement making it suitable as a stand alone mixer or used with an anchor stirrer for more viscous materials.

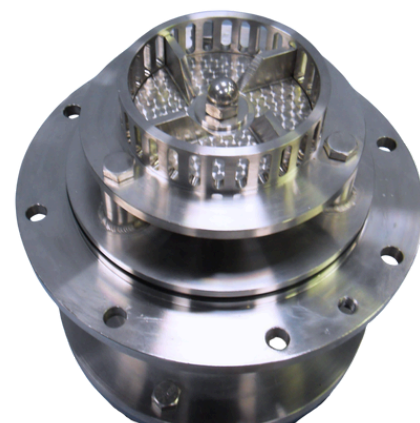
Optional double high shear heads can be fitted with different screens to allow the processing of coarse down to fine particle size with a single machine.

ADBE HIGH SHEAR BOTTOM ENTRY MIXER

FOR BATCH SIZES 25L TO 15,000L

The ADBE high shear bottom entry mixer can be used as a stand alone machine or used with an anchor stirrer for more viscous products such as creams, gels or food sauces.

The unobstructed opening to the rotor makes it particularly suitable for processing large particulates where it can be used together with an ADILS high shear inline mixer for further particle size reduction.



ADSB TOP ENTRY HIGH SHEAR SEALED BEARING MIXER

FOR BATCH SIZES 25L TO 5,000L

The ADSB top entry sealed bearing mixer can be vessel mounted or mounted on a lifting stand for mixing with interchangeable vessels, bins and containers.

The shaft rotates within a central support tube making this mixer suitable for exposed applications as the shaft is guarded within the tube. This construction allows the use of a double mixing head which freely draws product in from above and below with minimal obstruction. This is particularly useful when mixing light product which would otherwise float on the surface.

LOW SHEAR MIXERS & AGITATORS

The AE range of vessel mixers and agitators are individually designed to perform essential mixing, blending, dispersion, suspension, mass movement and scraped surface mixing processes.

Top, bottom and side entry models are available with none pressure, CIP and pressure sealing options.

Hygienic construction to cGMP standards are used for food, pharmaceutical, cosmetic and personnel healthcare applications.



TYPE OF MIXER

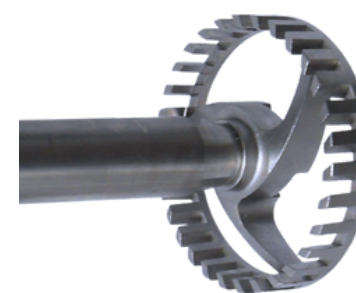
- Hydrofoil
- Axial Flow
- Propellor
- Anchor stirrers
- Coaxial mixer



DISPERSION MIXER

AETED / AEBED TOP & BOTTOM ENTRY DISPERSION MIXER

FOR BATCH SIZES 25L TO 5,000L



The high speed, medium shear action of the AE dispersion mixer is used where increased mixing intensity is required without the high shear action of an AE rotor stator.

The high pumping capacity of the single, robust slotted rotor creates good product movement within the vessel and is suitable for high and low viscous mixing including liquid blending and the effective dispersion of powders, solids and thickeners.

Top and bottom entry models are available with none pressure, CIP and pressure sealing options.