

## Integrated Process Mixing Systems

AdPro Vacuum  
Processing  
Mixer



AdPro Mix  
Cold Food  
Processing Unit

Powder/Liquid Mixers



## Vessel Mixers

High shear batch immersion mixer



High shear sealed  
bearing mixer



Low shear,  
Hydrofoil, Axial  
flow, Propellor,  
Anchor and  
Co-axial mixers



Top and bottom entry  
medium shear dispersion  
mixer



Bottom entry high  
shear batch mixer



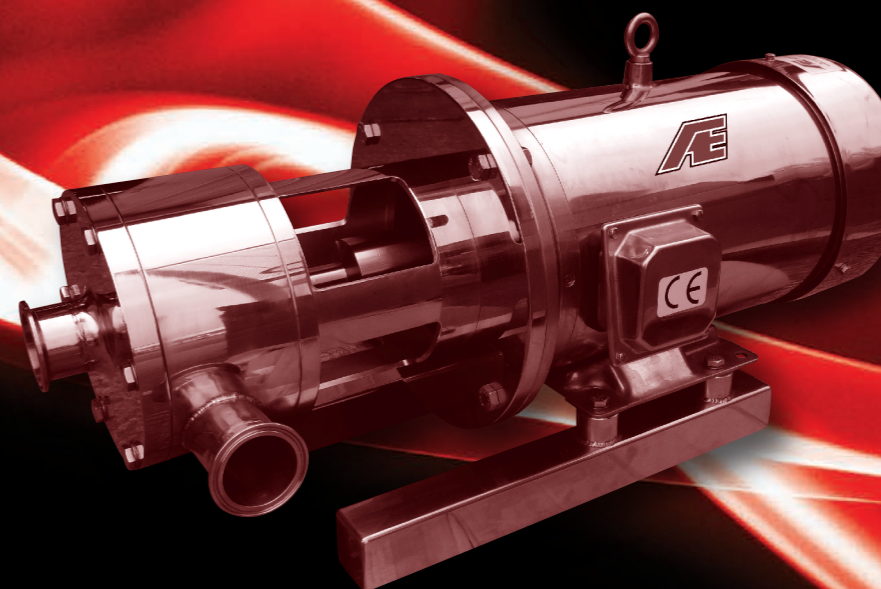
[www.aemixers.com](http://www.aemixers.com)

Mixing is our Business



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In-line mixer design & technology





# AE High Shear Inline Mixers

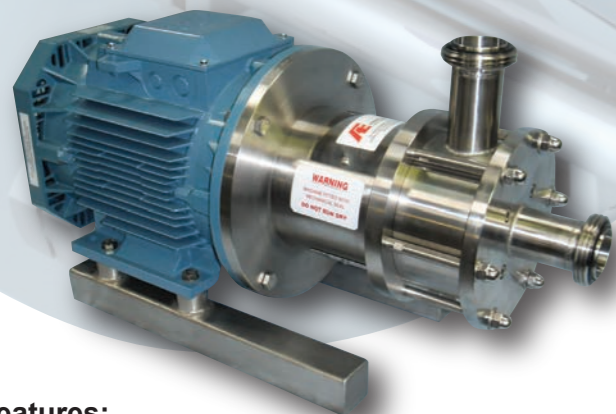
The AE range of versatile, efficient, high shear inline mixers are widely used in food, pharmaceutical, cosmetic, personnel healthcare, eco fuel, paints/resin/inks and chemical applications. The intense mixing action of the inline mixer results in an improved product consistency with reduced process times compared with conventional low shear mixers.

A comprehensive range of precision machined interchangeable rotor stator work heads can easily be fitted, giving the machine flexibility to perform many essential processes including homogenisation, emulsification, blending, dispersion, solids suspension, solubilisation and particle size reduction

The rotor stator work heads are hygienic, none bypassing and designed for aeration free, self pumping operation making them suitable for single pass or recirculation process systems.

## ADILS Single Stage High Shear Inline Mixer

For flow rates of 100 L/Hr to 180,000L/Hr



### Features:

- Intense mixing action
- Improved product consistency
- Reduced process times
- Flexible processing
- Interchangeable heads
- Self pumping
- Hygienic design
- No product bypassing
- Aeration free
- 316 stainless steel construction
- Low maintenance
- Suitable for CIP

### Optional features

- Double seals for arduous duty
- ATEX compliant
- Pre cutting head for fibrous materials
- Special materials of construction
- Stainless steel motors
- Suitable for SIP
- Easy split design



## Advanced Ultra Hygienic Inline Mixer

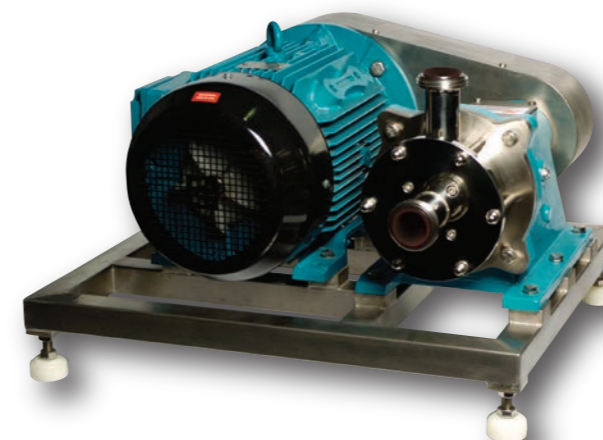


Designed to EHEDG, FDA and cGMP guidelines the Advanced UH Inline mixer meets with the most stringent pharmaceutical, cosmetic and food industry standards

The UH inline mixer combines the key features of the single stage inline mixer with ultra hygienic construction which does not require dismantling for cleaning. This results in a versatile, efficient high shear inline mixer which can be easily cleaned in place for rapid changeover between batches.

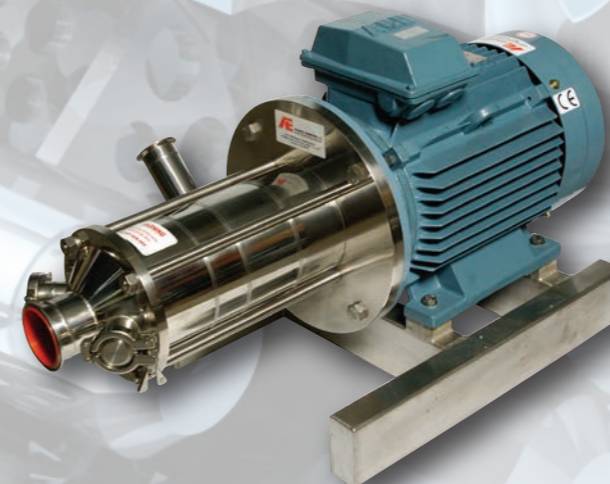
The UH inline mixer is ideal for use where cross contamination between batches is to be prevented. This not only applies to traditional hygienic applications but also in other industries such as colours and inks.

## ADBD Belt Driven High Shear Inline Mixer



The ADBE 20 belt driven high shear inline mixer has the same product chamber and work heads as the ADILS 10 but as this operates at a speed of 5000RPM, the flow rate, mixing intensity and shear rate are greatly increased resulting in faster processing times, reduced particle size and finer emulsions.

## AdPro High Shear Inline Mixer



The AdPro is a two stage high shear Inline mixer with a pre blending/dispersion head and a single stage high shear rotor stator.

It can be mounted as a tank bottom or an inline mixer and is ideal for the processing of larger agglomerates or feeding multiple liquids directly into the mixing chamber where they are pre dispersed prior to entering the high shear rotor stator.

## ADIL3S Three Stage Multishear Inline Mixer

For flow rates 100L/Hr to 40,000L/Hr



The Multishear is similar to the single stage high shear inline mixer, but is fitted with three sets of multi castellated heads. The product passes through each stage in series resulting in an intense high shear mixing action suited to the production of sub micron emulsions and ultra fine particle size.

Four head types, course, medium, fine and super fine are available and any combination of these can be fitted giving the machine the versatility to process many types of products.

The machine can be used for single pass systems or can also be used in recirculation mode to produce an even finer particle size.

### Easy Split and Pre Cutter Design Options

The easy split design option allows the slide mounted motor, complete with rotor and stator to be easily separated and withdrawn from the process chamber which is left permanently in position connected to the process pipe work. This allows easy access to the mixer for cleaning, inspection or for maintenance work.

The pre cutter option is used for pre-cutting of vegetable stalks, de agglomeration and additional pumping for more viscous products.

