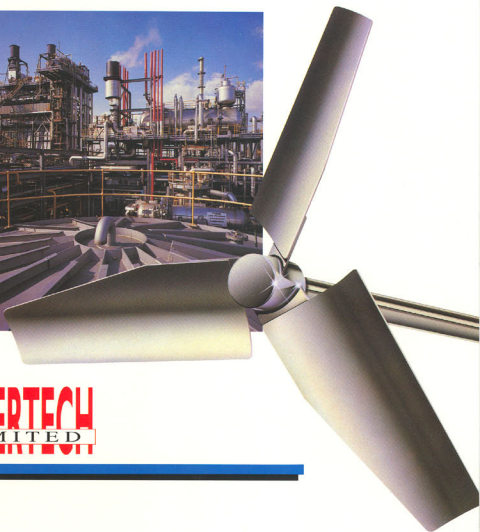
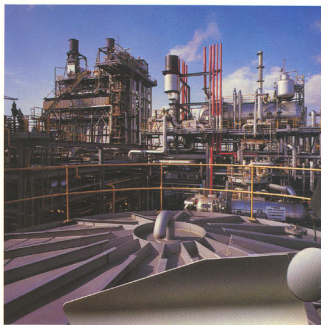


Technology

In A Word

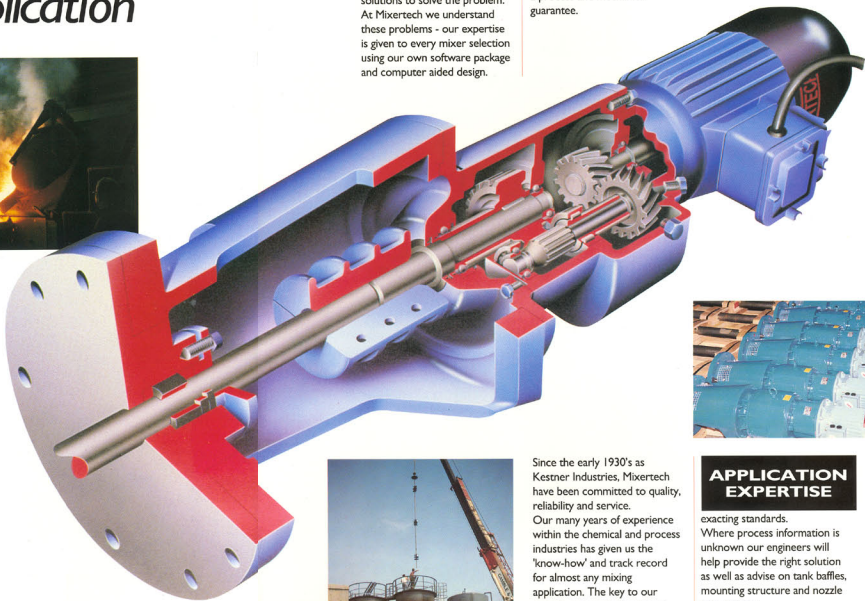


MIXERTECH
LIMITED

Mixertech - Serving a host of industries for virtually every application

Mixertech Ltd based in Greenhithe, Kent doesn't just supply mixers and agitators. For over 50 years, as part of the Kestner Industries group, it has solved numerous mixing problems with the latest technology and expertise.

Mixertech is a wholly owned British company and uses its own group manufacturing facilities for fabrication, casting and machining to ensure that the products it supplies are guaranteed to meet the most demanding of applications. Whether your requirement is for simple blending or solids dissolution to the more exacting standards of solids suspension or gas dispersion, Mixertech has the capability.



EVERY MIXER CUSTOM DESIGNED

All mixing applications are different and require different solutions to solve the problem. At Mixertech we understand these problems - our expertise is given to every mixer selection using our own software package and computer aided design.

This ensures our selection will not only provide the required mixing but is a robustly designed machine to go on providing mixing for many years. That is why Mixertech backs up its selection expertise with both a process and mechanical guarantee.



APPLICATION EXPERTISE

Since the early 1930's as Kestner Industries, Mixertech have been committed to quality, reliability and service. Our many years of experience within the chemical and process industries has given us the 'know-how' and track record for almost any mixing application. The key to our growth and reputation is our constant research and development policy and our own laboratory will guide you to the correct selection of equipment to meet your own

exacting standards. Where process information is unknown our engineers will help provide the right solution as well as advise on tank baffles, mounting structure and nozzle orientations. Every mixer is tested in our own test vessel before leaving the factory which is why we can confidently offer a double guarantee.





BLENDING WITH SIDE ENTRY MIXERS

In large vessels a side entry mixer is often the most economical solution to blending and storage duties.

A side entry mixer is lighter, operates closer to the bottom of the vessel and does not require in-tank baffles or anti-vortexing structures.

The Mixertech range of side entry mixers uses the same impeller technology as our top entry units and are suitable for a wide range of applications from crude oil storage, polymerization, reactors, pulp and paper to milk storage and sugar dissolution.



A WEALTH OF EXPERIENCE IN THE FOOD, BEVERAGE & PHARMACEUTICAL INDUSTRIES

Mixertech has the solution for every mixing and blending application in every industry. This is especially true in the food, beverage and pharmaceutical industries using either top or side entry mixers.

Depending on the application, improved productivity and higher profitability can be achieved using Mixertech's high efficiency Hydroblade impeller or our instamix in-line static mixer which eliminates the need for sealing systems. Mixertech's experience ranges from simple blending and storage such as milk, wine and margarine through heat transfer, crystallizers, cookers and fermenters to more complex applications like sugar



dissolution, yogurt mixing and chocolate storage. Impellers are of crevice-free construction to meet the most demanding of hygienic conditions. Mixertech can even combine the pumping experience of Kestner to provide jet mixing for applications where conventional mixing cannot be used.



TECHNICAL KNOW-HOW IN THE MINING & REFINING INDUSTRIES

Mixertech's products are used in the mining industry throughout the world.

Advanced mixer technology has solved problems for gold leaching, slurry suspension, carbon in pulp adsorption and biological leaching to name but a few of the numerous applications.

Apart from new mixers, Mixertech have been actively retrofitting existing units with its own impeller systems as well as refurbishing the shaft and couplings. For many the savings on power from lighter loads on the gearboxes is immediate as well as lower carbon losses in C.I.P. plants.



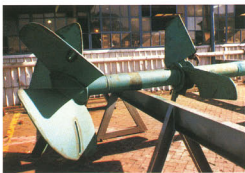
SUPERIOR EXPERIENCE IN THE CHEMICAL & PROCESS INDUSTRIES



The chemical and process industries have the most varied and difficult mixer problems requiring precise mixing and heat transfer to high shear for emulsification or homogenization. Mixertech understand the advantages and limitations of the various mixing systems even when complicated designs require the mixer to perform more than one duty.

The range of mixer designs, single or multi-level impellers, drives and seals in various materials offered by Mixertech will solve even the most complicated applications. For blending, dissolution of solids gas dispersion, crystallization and precipitation, heat transfer, solids suspension high viscosity or low fluidity Mixertech guarantee to meet your requirements.

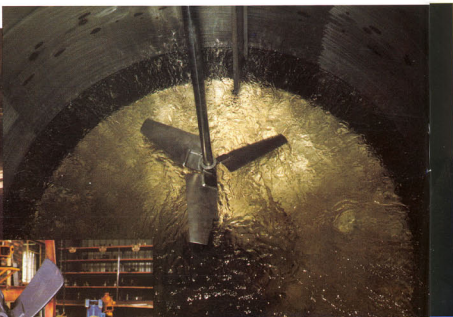




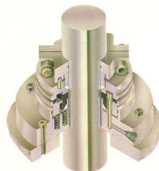
IMPELLER TECHNOLOGY SAVES ENERGY

At the heart of any mixer duty is the impeller system. The Mixertech range of high technology impellers is as wide as the applications themselves. Over many years our design programme has resulted in the development of high performance energy efficient impellers from HA700 for blending through HA703 slurry units to BX04 biooxidation systems. Low energy consumption not only reduces operating costs but

results in smaller drive, shaft and mounting requirements thus minimising capital costs. Whatever impeller is selected for your application it is available in a wide range of materials including Mild Steel, Stainless Steel, Hastelloy and Titanium along with coated versions such as Halar® and™Fluoroshield® and latest composite GRP/FRP technology ensuring the most aggressive conditions can be met.

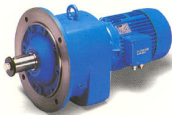


®Fluoroshield is a trade mark of WL Gore Inc.



DRIVES

The performance of the best designed mixer is dependent on the quality of its drive unit. Mixertech select and fit only the best range of heavy duty mixer drives for ultimate performance and reliability. Precision ground gears and purpose built drives are guaranteed for high efficiency and economic operation from the smallest to the largest mixer. Mixertech agitators are covered by a double guarantee for mechanical reliability and process application.

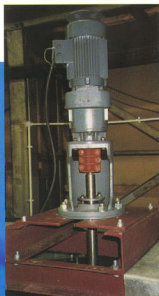


SEALS

Virtually every mixer can be fitted with a wide selection of shaft seals from simple lip seals and stuffing boxes to mechanical seals designed for temperature and pressure environments. For special applications Mixertech can provide the ideal solution including moat seals with automatic filling facility for refineries to aseptic seals for flushing with CIP fluids or steam/gas purging for hygienic applications. All seals supplied are designed for maximum service life and ease of maintenance and must comply with our strict quality control.

RESEARCH & DEVELOPMENT

No two mixing applications are the same which means that a high investment in research and development is needed to keep 'in touch' with technology. Mixertech have a constant research and development programme which assures you have the best possible combination of technology and price. Devotion to continuing development and innovation has led to a more basic understanding of impeller technology and process requirements, ensuring that our mixers are amongst the most efficient available today. Our aim is to continue on this programme to find even better and more effective methods of mixing and manufacture.



APPLICATIONS

Our experience in the mixer business is too wide to mention but some of our more common applications are:-

- Blending
- Solids Suspension
- Solids Dissolution
- Heat Transfer
- Gas Dispersion
- Crystallization and Precipitation
- Cooking and Fermenting
- High Viscosity
- Homogenizing
- Slurry Suspension
- Gold and Biological Leaching
- Carbon in Pulp Adsorption
- Draught Tube Circulators
- Solvent Extraction



MIXERTECH
LIMITED

*Bredgar Road, Gillingham
Kent, ME8 6PN
England*

Tel: +44 (0)1634 386683
Fax: +44 (0)1634 386684
E-Mail: Sales@mixertech.co.uk
Internet: www.mixertech.co.uk