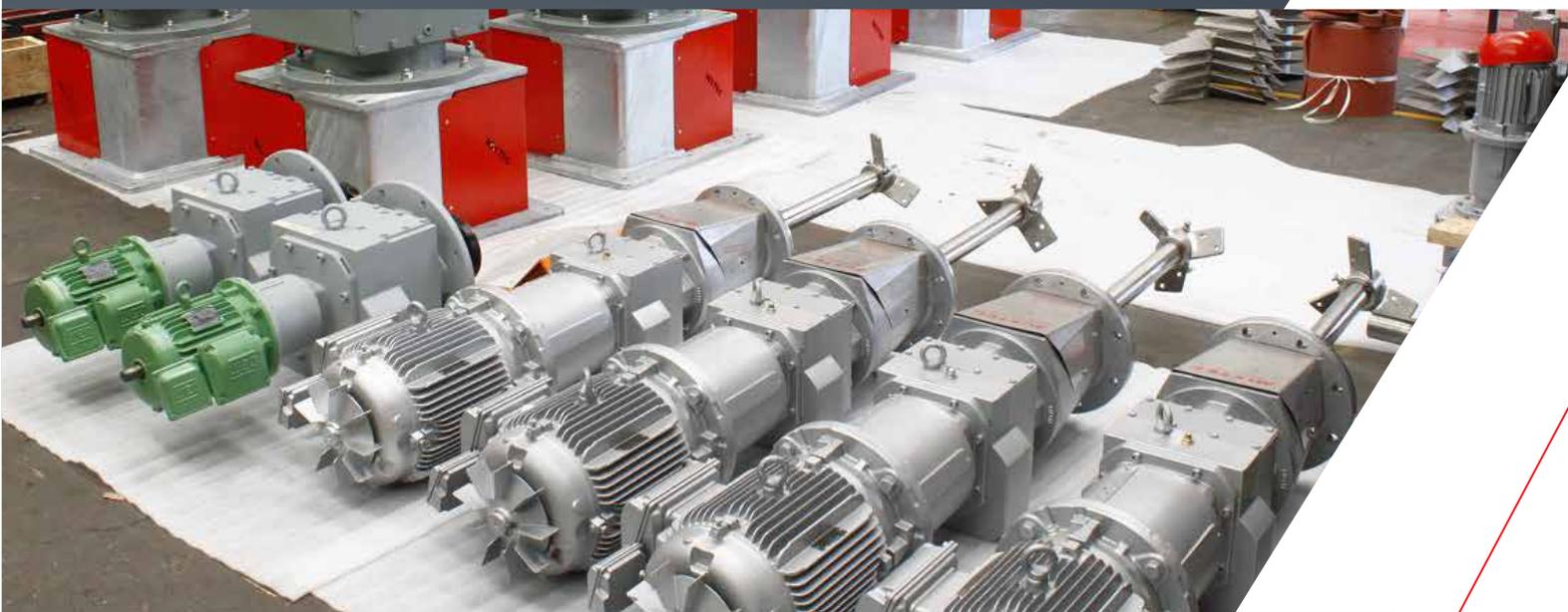


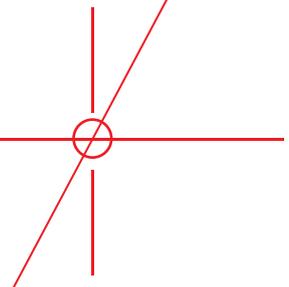
# MIXTEC

FOR MIXING TECHNOLOGY



Company Profile | 2016

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



## About Us



Today, Mixtec is one of the world's premier manufacturers of industrial agitators and mixers. The Mixtec group currently has six manufacturing plants worldwide. Our partners are based in the United States, South Africa, Australia, New Zealand, United Kingdom, Malaysia and Chile.

Every Mixtec office has its own research and development department as well as design, engineering and commissioning personnel who are trained to apply the latest fluid mixing technology for every application and installation. The different specialities of each Mixtec office allows us to quickly tap into a wealth of design experience and expertise, expanding our overall knowledge base and enabling us to confidently satisfy our customer's needs no matter where they are located.

Our efficient design method ensures that our mixers are both economical and robust. We have aligned ourselves with multiple commercial gearbox manufacturers so we can find the best-fit drive at the lowest cost for any application. We have the experience and the technology to provide you with the mixer or agitator that you need.

## Company History



Mixtec was founded in Johannesburg, Republic of South Africa (RSA) in 1984 by its two founders Timothy Clamp and William Baguley, who had been in the agitator business since their earliest days with UK-based Kestner Industries, started in 1930. Kestner Industries was the original home of the current Mixertech-UK. Mixtec manufactured and designed a wide range of agitators and gearboxes until it became a standalone organization in 1984.

Mixtec currently has Six Fabrication facilities around the world and Four specialised agents. We have always prided ourselves on providing good quality, excellent service while building long term customer relationships. The Mixtec group continues to expand to globally allowing us to cater for our ever increasing customer base.



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## Research & Development

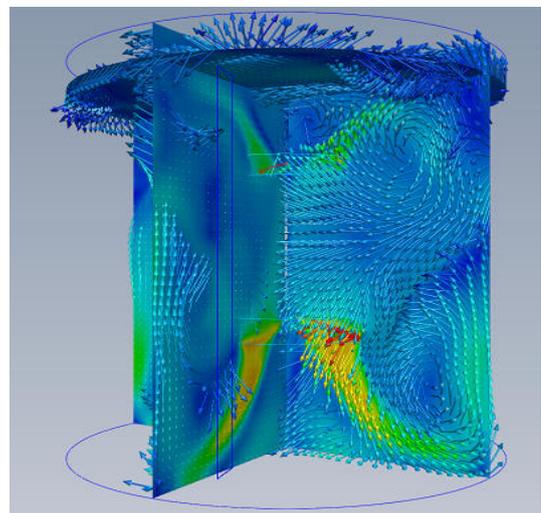
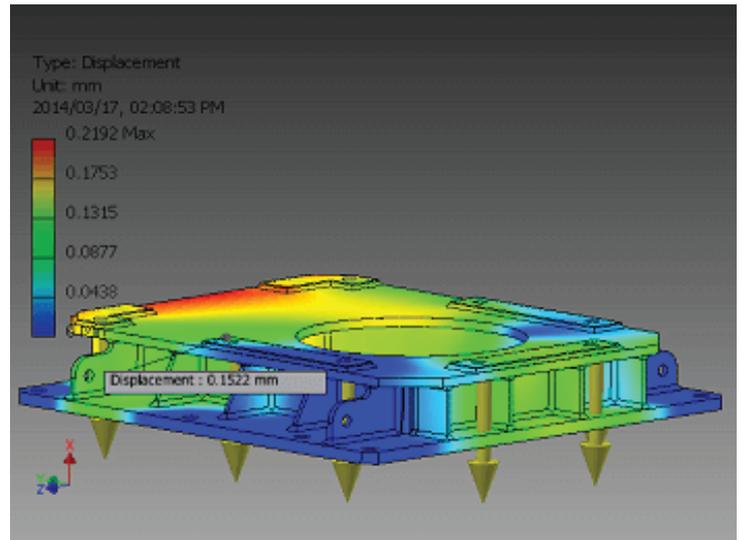
Our on-site laboratory, fluid handling facilities and experienced research engineers allow us to find the optimum design for your specific need.

We can guide you in the optimum selection of your equipment with our laboratory, fluid handling facilities and experienced application engineers. We can find the optimum tank design, special arrangements, such as anti-vortex baffles, risers, dip tubes, mounting structures, nozzle orientations and the most economical vessel shape.

Our customer design service and fluid mixing laboratory are capable of producing a complete mixer design even if little or no data is available.

Constant research into the latest technologies and processes allow for us to provide enhanced efficiency and product reliability. We use extensive computational fluid dynamics to virtually assess mixer performance under a variety of conditions to aid the development of improved impeller design.

Our in-depth knowledge of varying fluid behaviors and containing vessels along with our experience and dedicated team are perfectly positioned to maximize your process results.



## Custom Designs



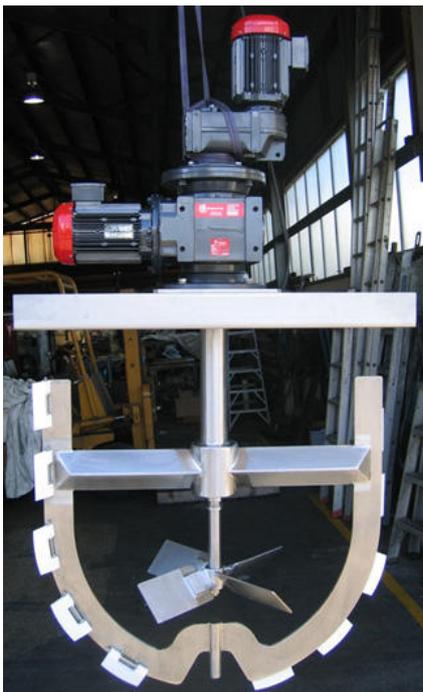
Mixtec understands that a mixer is simply a means of achieving your desired process result. We make it our business to understand the large and complex number elements that combine to efficiently achieve results.

We combine our experience and expertise with our knowledge of technology to meet your requirements. Each of our Mixers is custom designed to perfectly match your process.

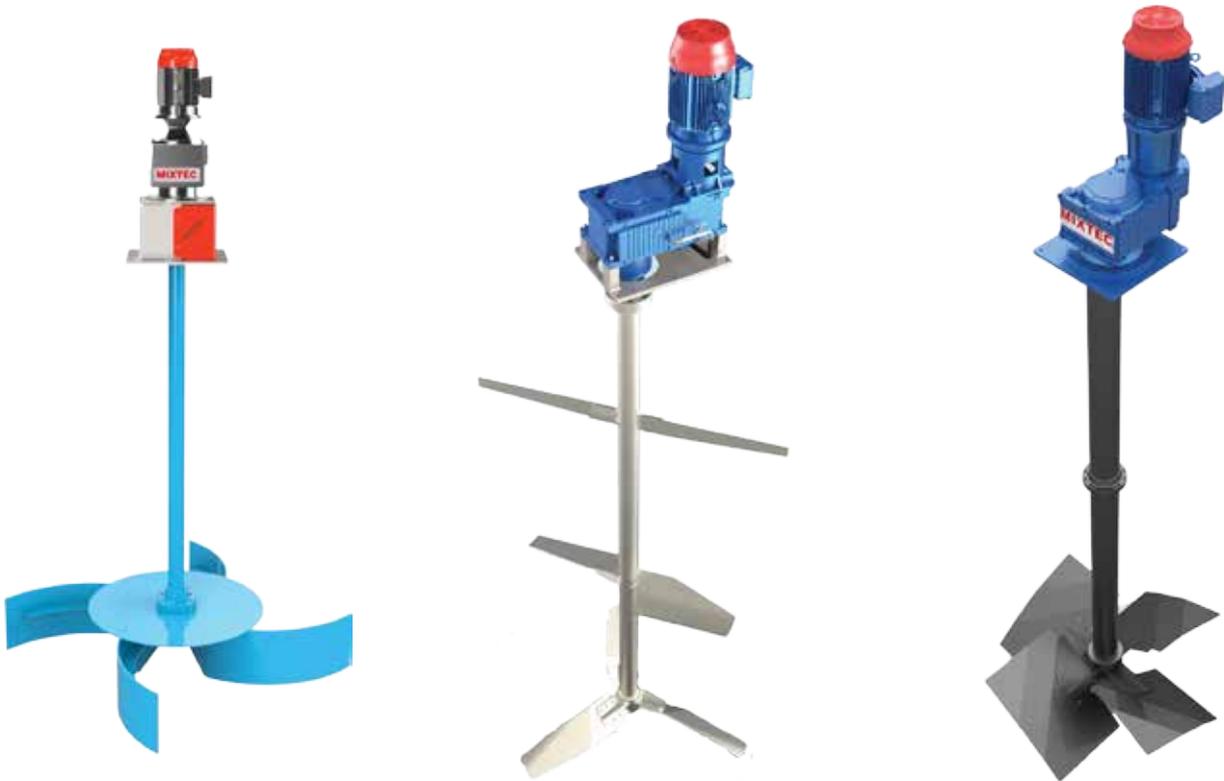
We ensure maximum reliability through extensive finite element analysis of high-stress components, such as impellers and couplings.

We bring our research into real-world results with stringent fabrication methods. We use the latest international standards of inspection procedures and state-of-the-art machine tools to provide the tolerances for accurate alignment and a precision made product.

From simple baseplate mounted units to sophisticated high-pressure reactor designs incorporating double mechanical or magnetic seals.



## Mixers & Agitators



### Mixtec Custom Mixing Solutions

We focus on the specific process considerations or your application, the mechanical integrity of the mixing components and the drive system integrity to ensure the best solution. All Mixers are custom designed by our highly trained mixer design specialists. High quality mixing equipment for all industries and applications.

We match the right impeller with your mixer by considering the profile, pumping and power needs of your application. We factor in the velocity gradient, superficial (in-tank) velocity, pumping rate, tank turnover rate, tanks shape, liquid level variation, location of impellers and direction of pumping to ensure a successful solution.

In most cases our mixers consist of a motor and drive system, output coupling, mixer shaft, seals and various impeller assemblies. Given the wide variety of applications and processes that Mixers and Agitators can be used for, we have divided them into different series: Open top tanks, Closed top tanks that require sealing, large scale industrial agitators, side entry mixers and in-line static mixers.