

Batch dispersing

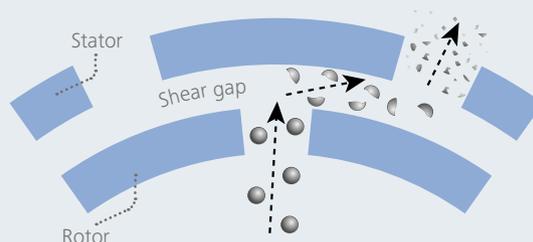
/// Rotor-stator technology for maximum performance

IKA is the world leader in the design and production of high-performance mixers and process plants. IKA produces a complete line of mixers for laboratories and industrial production. Our high-performance mixers and dispersers feature our proven rotor-stator designs that are used in thousands of chemical, food, pharmaceutical and cosmetic companies.

These machines are designed to meet the highest requirements and offer maximum flexibility in use on site.

Rotor-Stator System

/// The best in dispersing technology



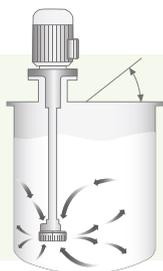
UTS, UTC and UTE batch dispersers

/// Dispersing/stirring in a batch process

The ULTRA-TURRAX machines are frequently used to produce emulsions, solutions and suspensions. A variety of interchangeable generators (rotor + stator) allow for perfect adaptation to the applicable mixing task. There are also different seal variants, suitable for an operating pressure of up to 10 bar and temperatures of up to 160 °C. The UTC and UTS are also designed for top mounting (vessel cover or stand). The UTC has a closed, sealed shaft, while the UTS has an open design without a seal in the product area. The shaft is reliably guided via a ceramic support bearing. The UTE model is designed for installation in the bottom of the vessel. It has the advantage that the stirrer can still be used even if the fill level in the vessel is very low. The design also impresses thanks to its robustness and compact design without a long shaft.

Advantages

- > Various shaft seal types
- > Surfaces according to pharmaceutical requirements available as an option
- > Generators of different designs suitable for your application



ULTRA-TURRAX UTC-KT
(ambient)



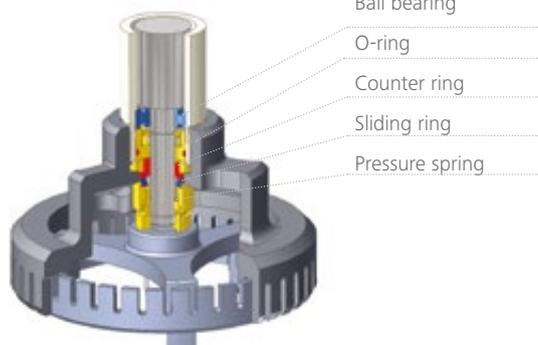
ULTRA-TURRAX UTC-KD
(vacuum/pressure)



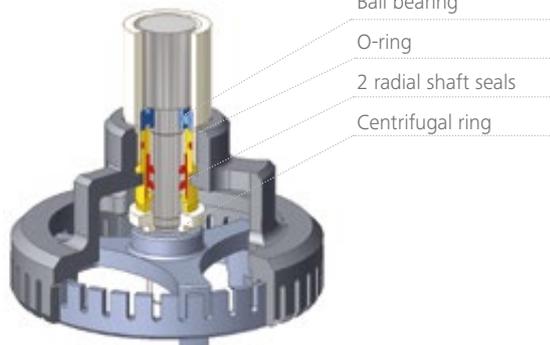
ULTRA-TURRAX UTE
(vacuum/pressure)



Sealing type KD (mechanical seal)



Sealing type KT (lip seal)



ULTRA-TURRAX UTC/UTS

/// High-performance dispersing machines

Example applications

- > Emulsions
- > Suspensions
- > Solutions
- > Incorporation of thickeners
- > Paints and lacquers
- > Lotions



Sizes UTS/UTC	Batch size* [l]	Rotational speed [rpm]	Circumferential speed** [m/s]	Motor power [kW]
UTC 80	30- 150	3,000	10	1.5
UTC/UTS 115	100- 500	3,000	15	3
UTC/UTS 150	350 - 1,700	3,000	21	7.5
UTC 220	500 - 2,500	1,500	15	11
UTC/UTS 280	750 - 3,500	1,500	20	18.5
UTC 300	800 - 4,000	1,500	21	30
UTC 330	1,000 - 5,000	1,000	15	22
UTC 350	1,200 - 6,000	1,000	17	32

* Depending on the product viscosity. Regular range 1 – 5,000 mPas.
 ** Higher circumferential speeds can be achieved as an option with frequency converter on all UTC and UTS models.