



LAMBDAVITA® Series Homogenizers

Stationary and mobile Homogenizers

LAMBDAVITA® Series Homogenizers Quality in every detail

The design of the homogenizer determines the quality of your dispersions.

Only with optimum utilization of the shear energy can the required particle/droplet sizes and size distributions be achieved. In addition to economy, efficiency is paramount when selecting a homogenizer. And of course, a universal application for your various products must be possible.

Our particular focus is on the development of an optimal tooth geometry, on the dispersion toothing, as well as on the design of the entire homogenizing system, in order to produce both the highest shear rates / shear energies and thus to ensure the finest droplets / particles. In addition, all homogenizers of the *LAMBDAVITA®* series are CIP-capable.

The homogenizers ensure high flow rates, especially in the upper vacuum range. With the NETZSCH Vakumix homogenizer we meet all the demands of the market.

A variety of options and versions makes the following possible for you:

- Homogenization
- Dispersing
- Suction of different phases directly into the area of the homogenizer (e.g. hot-cold)
- Dilution of ether sulfate in a continuous process
- Induction of powders
- Dosed feeding of liquid phases at the same time
- and much more



Sizes

Size	Drive power
0	5.5 kW
1	7.5 kW
2	11 - 20 kW
3	30 - 45 kW
4	69 - 105 kW

The individual power requirements are determined according to the individual task. Sizes 1 - 4 can also be supplied in Ex-version in accordance with ATEX.

Models

Standard Models	Description
LambdaVita	 Rotor/stator homogenizer Stationary design Rotor tip speed up to 31 m/s Installation in the tank botom Installation in existing tanks via special flange
BASE	 Stationary, horizontal design for external connection to existing tank or for continuous operation Rotor tip speed up to 31 m/s
MOBILE	 Rotor/stator homogenizer Mobile, horizontal design for external connection to existing tank or for continuous operations Rotor tip speed up to 31 m/s
Special Models	Description

US (UltraShear)	Rotor/stator homogenizerRotor tip speed up to 55 m/s
UST (Ultra Shear Twin)	Rotor/rotor homogenizerRotor tip speed up to 80 m/s
CONTI	 Configurable production plant for continuous manufacturing



LAMBDAVITA® CONTI - for making liquid products



LambdaVita® Model UST

The NETZSCH Group is an owner-managed, international technology company with headquarters in Germany. The Business Units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems represent customized solutions at the highest level. More than 3,700 employees in 36 countries and a worldwide sales and service network ensure customer proximity and competent service.

Our performance standards are high. We promise our customers Proven Excellence – exceptional performance in everything we do, proven time and again since 1873.

Proven Excellence.

Business Unit Grinding & Dispersing – The World's Leading Grinding Technology

NETZSCH-Feinmahltechnik – Germany NETZSCH Trockenmahltechnik – Germany NETZSCH Vakumix – Germany NETZSCH Lohnmahltechnik – Germany NETZSCH Mastermix – Great Britain NETZSCH FRÈRES – France NETZSCH España – Spain ECUTEC – Spain NETZSCH Machinery and Instruments – China NETZSCH Technologies India Private – India NETZSCH Tula – Russia NETZSCH Makine Sanayi ve Ticaret – Turkey NETZSCH Korea – Korea NETZSCH Premier Technologies – USA NETZSCH Equipamentos de Moagem – Brazil

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