



DELTA VITA® MINI Laboratory Mill

The Laboratory Mill for Pharmaceutical & Cosmetic Applications

DELTA VITA® MINI Laboratory Mill

The Laboratory Mill for Pharmaceutical

Quality in every Detail

NETZSCH offers industry-leading agitator bead mills for true comminution as well as wetting and dispersion of active ingredient particles in pharmaceuticals. With the grinding and dispersing system of the *DELTA VITA*® series, reproducible nanoparticles with narrow particle size distributions can be produced.

Small-batch research and development is a key part of the process of developing new drugs. The market demands the ability to validate viability of processes without wasting scarce, expensive materials. NETZSCH delivers the solution. The NETZSCH *DELTA VITA*® *MINI* laboratory machines are ideal for carrying out tests for which only extremely small batches are required to obtain meaningful test results with minimal product loss in a short amount of time.

Technical Features

- Grinding system with centrifugal separation system
- For the use of small grinding media 0.05 - 1.2 mm in diameter
- Variable speed drive via frequency converter
- Flexible operating mode – suitable for batch and circulation operation
- Various grinding chamber volumes – 15 ml, 50 ml and 150 ml
- Optional grinding chamber designs made of NETZSCH-*CERAM Z*, NETZSCH-*CERAM C*, AISI 316 L or NETZSCH-*CERAM N*
- Data acquisition system
- Material certificates in accordance with 2.1 / 3.1 and sealing materials in accordance with FDA Standards
- Installation Qualification (IQ) and Operational Qualification (OQ)

& Cosmetic Applications

DELTA VITA® MINI Laboratory Series Sizes

Technical Data		DELTA VITA® 15	DELTA VITA® 50	DELTA VITA® 150
Grinding chamber volume	ml	15	51	142
Drive power	kW	1.5	1.5	1.5
Speed range	min ⁻¹	1 000 - 4 200	1 000 - 4 200	1 000 - 4 200
Batch size (min – max)	ml	35* - 150	97* - 300	200 - 500
Grinding bead diameter	mm	0.05 - 0.8	0.05 - 0.8	0.05 - 1.2

* in closed batch mode



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

NETZSCH-Feinmahltechnik GmbH
Selb, Germany

NETZSCH Lohnmahltechnik GmbH
Bobingen, Germany

NETZSCH Premier Technologies,
LLC. Exton PA, USA

NETZSCH Indústria e Comércio de
Equipamentos de Moagem Ltda.
Pomerode, Brazil

NETZSCH Technologies India
Private Ltd.
Chennai, India

NETZSCH Trockenmahltechnik GmbH
Hanau, Germany

NETZSCH España, S.A.U.
Terrassa/Barcelona, Spain

NETZSCH Mastermix Ltd.
Lichfield, Great Britain

NETZSCH (Shanghai) Machinery
and Instruments Co., Ltd.
Shanghai, China

NETZSCH FRÈRES S.A.R.L.
Arpajon, France

NETZSCH Vakumix GmbH
Weyhe-Dreye, Germany

AO NETZSCH Tula
Tula, Russia

NETZSCH Korea Co., Ltd.
Goyang, Korea

NETZSCH Makine Sanayi ve
Ticaret Ltd. Sti.
Izmir, Turkey

ECUTEK S.L.
Barcelona, Spain

The NETZSCH Group is a mid-sized, family-owned German company engaging in the manufacture of machinery and instrumentation with worldwide production, sales, and service branches.

The three Business Units – Analyzing & Testing, Grinding & Dispersing and Pumps & Systems – provide tailored solutions for highest-level needs. Over 3400 employees at 210 sales and production centers in 35 countries across the globe guarantee that expert service is never far from our customers.

NETZSCH Vakumix GmbH
Zeppelinstraße 1
28844 Weyhe-Dreye
Germany
Tel.: +49 421 8 49 56 0
Fax: +49 421 8 49 56 90
info.nvm@netzsch.com

NETZSCH®

www.netzsch.com