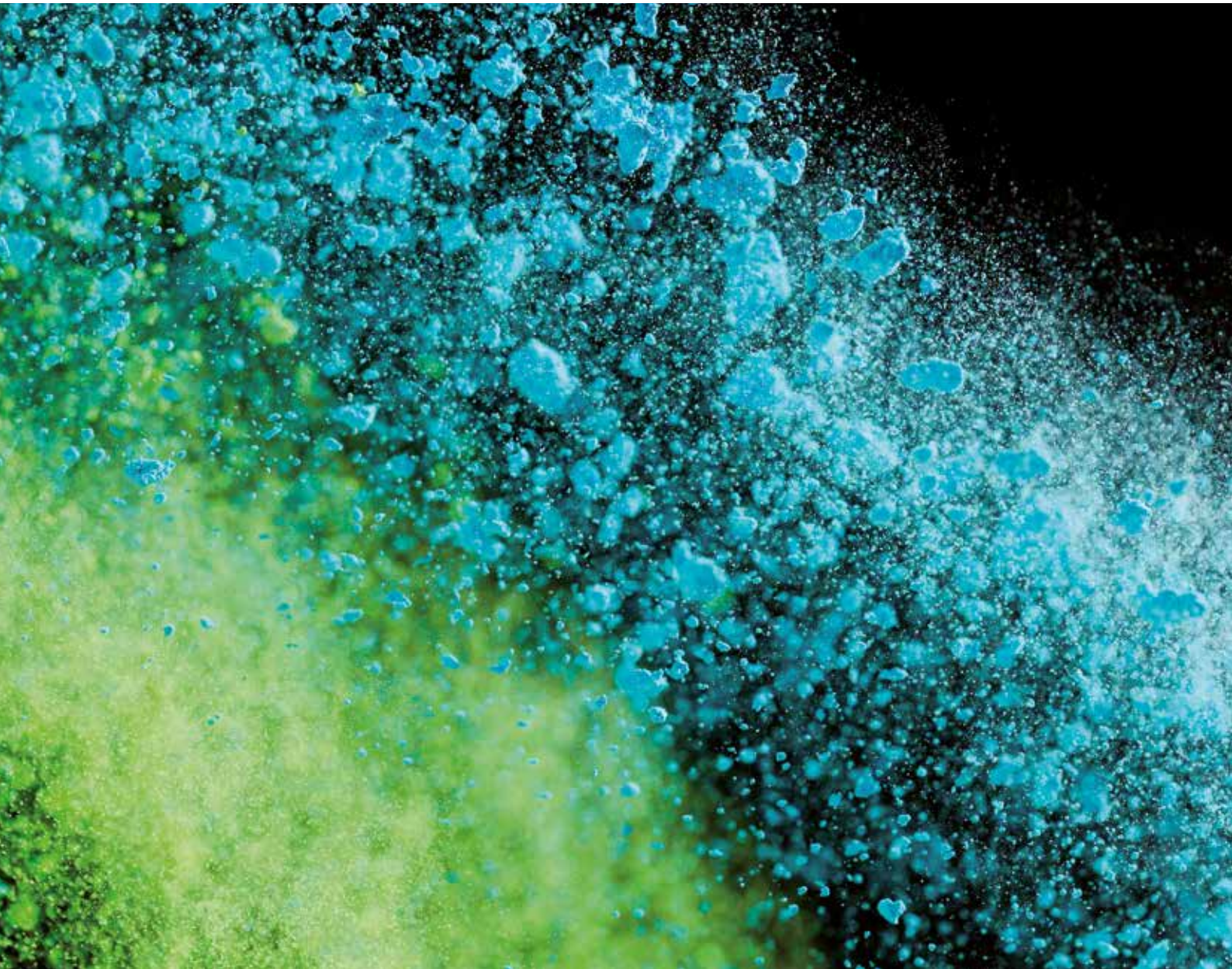


NETZSCH



NETZSCH Toll Grinding Service

Fine Grinding into the Micron and Submicron Range as a Service!

CHEMICAL INDUSTRY | a Business Field of
NETZSCH Grinding & Dispersing

Competent, Innovative, Flexible

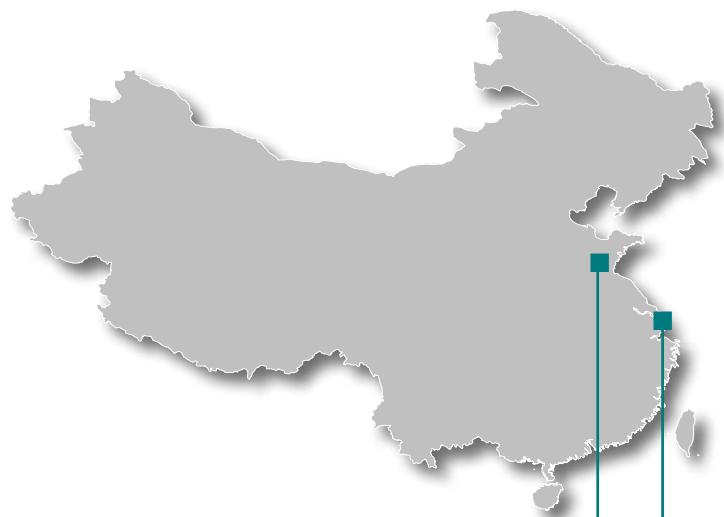
NETZSCH (NSC) as part of NETZSCH Grinding & Dispersing is now offering toll grinding service on two locations in Shanghai and Linyi for the Chinese market. We operate with a state-of-the-art, array of machines for mechanical processing of a wide range of materials. In addition to pilot plants for product development and processing of small quantities,

our laboratories offer additional state-of-the-art technologies for diverse analyses and quality assurance. We take care for the highest quality in every regard.

In order to meet your needs, our service also includes the handling of the extremely important aspects of packaging, labeling and warehouse logistics. Our specialists are

dealing your customized requirements with competence, efficiency and flexibility. We handle hazardous materials with exceptional professional responsibility.

We also offer contract services in the area of wet grinding. This is handled through our location in Shanghai.



Shantian Abrasive Co, Ltd, Linyi

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

Cooperation with Shantian Abrasive Co, Ltd.

- In 2016 NETZSCH started a cooperation for toll grinding with Shantian Abrasive Co., Ltd., which is located in Linyi.
- Up to now the company is focused on the research and production of abrasive products like diamond and silicon carbide.
- Now Shantian is adding the toll grinding service to its product portfolio.





The "Building blocks of your success"

NETZSCH is the only supplier in the service sector that can offer the entire range of processes from dry to wet grinding including dispersing from one source. Get an impression of our services and trust in our know-how.

Outsourcing to NETZSCH offers you the following benefits:

- No operating costs
- No planning costs
- No investment in machinery
- No space requirements
- High degree of flexibility
- Bridging of bottleneck in production
- Reproducibility - highest product quality
- Introduction of new products to the market with minimal risk

Our Grinding Machinery for your Toll Grinding



	Impact Mill <i>CONDUCT® 150</i>	Laboratory Fluidized Bed Jet Mill <i>CGS 10</i>	Steam Jet Mill <i>S-JET® 500</i>
Finess d_{50} [μm]	5 - 100	1 - 20	0.3 - 10
Working capacity [kg/h]	1 - 200	0.5 - 20	10 - 500



	Disolver <i>MASTERMIX 30</i>	Submersible Basket Mill <i>MASTERMILL 30</i>	Agitator Bead Mill <i>ALPHA® 22</i>
Finess d_{50} [μm]	< 100	3 - 30	0.1 - 30
Working capacity [kg/h]	50 - 500	7 - 200	10 - 1000



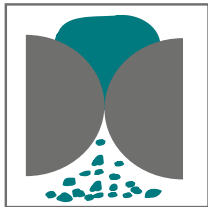
	Laboratory Agitator Bead Mill <i>LABSTAR</i>	Economic Dispersionizer <i>OMEGA® 500</i>
Finess d_{50} [μm]	0.1 - 30	0.1 - 18
Working capacity [kg/h]	0.5 - 50	50 - 500

Raw Material (Examples)	CONDUX® 150 Impact Mill	CGS 10 Fluidized Bed Jet Mill	s-Jet® Steam Jet Mill	MASTERMIX 30 Disolver	MASTERMILL 30 Submersible Basket Mill	ALPHA® System DISCUS Agitator Bead Mill	ALPHA® System ZETA® Agitator Bead Mill	LABSTAR Laboratory Agitator Bead Mill	OMEGA® 500 Economic Dispersionizer
Printing Inks				■	■	■	■	■	
Paints / Coatings				■	■	■	■	■	
Dyes / Pigments	■	■	■	■	■	■	■	■	■
Agro Chemicals	■	■		■		■	■	■	■
Reactive Mineral Products	■	■	■	■	■	■	■	■	
Chemicals / Plastics	■	■		■					■
Batteries / Fuel Cells		■	■				■	■	■
Ceramics / High Tech Materials		■	■	■			■	■	
Renewable Resources	■								
Minerals	■	■	■	■		■		■	
Food / Confectionery	■					■			■
Personal Care / Home Care	■								■
Pharma								■	■

■ toll grinding by NETZSCH

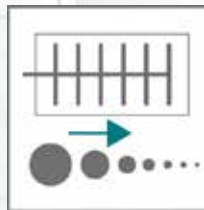
■ toll grinding by Shantian Abrasive Co.

Our "Building blocks of your success"



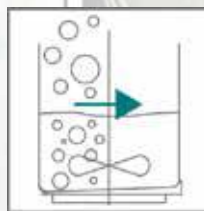
Micronization/ Comminution

NETZSCH is the specialist for high-quality dry grinding in the micron and nano range. From a few hundred grams, which we process in our pilot-plant machines, through to industrial quantities of several hundred kilograms per hour - we have the equipment that is ideally suited for the desired optimization of your product – naturally in combined processes, such as simultaneous grinding and coating of particles, as well.



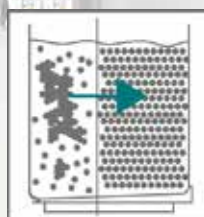
Wet Grinding

With the most advanced grinding technology, you will achieve the grinding or dispersion of your products into the micron or nanometer range. Here you profit from the know-how of one of the world's market leaders in the area of wet grinding!



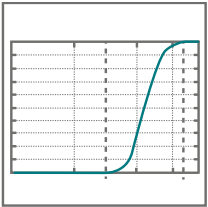
Mixing / De-Aerating

The mixing process is often followed by deaeration of the product, because air or gas pockets frequently cause difficulties during processing of liquid to highly-viscous products.



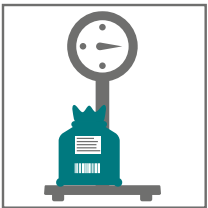
Dispersing / Homogenizing

NETZSCH achieves exceptionally homogeneous raw material mixtures, allowing economical material use of your products.



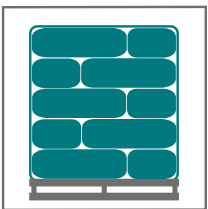
Analysis / Evaluation

All of our facilities are equipped with state-of-the-art systems and analysis methods and offer the optimum conditions for successful testing and development.



Documentation / Quality Control

Through our process control and documentation, we ensure that the quality of your product is consistent and reproducible. Our extensive documentation includes processing protocols, shift protocols and particle size diagrams. All of our equipment used in the production, such as scales, are calibrated and are serviced at regular intervals. Through this comprehensive documentation of the processing of your products, we guarantee you qualitatively flawless reproduction.



Packaging / Pelleizing

We package and label your products, quickly and flexibly adapted to your requirements. We handle hazardous materials with exceptional professional responsibility.



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.

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