



# NEXOPART

## Air jet sieve machine e200 LS and sieve shaker EML 200 Premium

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The perfect combination for laundry powder

**NEXOPART**  
simplicity for your lab

# The right particle size with NEXOPART

In chemistry, especially in the production of washing powder, particle size significantly determines the effectiveness and efficiency of the raw materials and aggregates. The right granulation not only affects solubility, but also the cleaning performance of the detergent. Important ingredients such as surfactants, enzymes and water softeners must be precisely balanced to ensure excellent cleaning results. Sieve analysis using a 3D test sieve shaker is indispensable for ensuring product quality.

**The NEXOPART EML test sieve shakers are ideal for analyzing washing powder particles finer than 32 µm.** The washing powder sample is filled into a sieve tower with test sieves in different mesh sizes to determine the particle size distribution. The exact selection of the mesh size depends on the desired fineness of the powder and the specific requirements of the analysis.



Sample weights of up to 3 kg



Individually definable intervals



Measuring range from 20 µm to 125 mm



Simple and quick operability



Obtain up to 98% accurate and reliable measurement data on the particle size distribution of your detergent powder to optimize your quality control.



Improve your formulation, ensure better environmental compatibility, reduce waste by up to 85% and guarantee compliance with industry standards.



Optimize your workflows and minimize downtime < 1.8% in your production line.



[Get more information about the EML features in this video.](#)

# Clean results for fine powders



In many industrial processes, the targeted control of chemical reactions is a decisive factor. Precise particle analysis provides effective support in this regard. It enables you to successfully develop new formulations and improve product quality. For accurate particle size determination, NEXOPART offers modern analysis devices that make your everyday laboratory work simpler.

**The NEXOPART e200 LS air jet sieve machine is particularly suitable for particles finer than 100 µm.** It complements classic sieve analysis with precise and gentle separation of fine to very fine particles. This allows you to benefit from accurate and reproducible results and optimize your processes in the long term.



**Sample weight of up to 30 g**



**Simple and quick operability**



**Measuring range from 5 µm to 4 mm**



**Upgradeable at any time**



NEXOPART sieve machines impress with their robust design and long-lasting performance. A 24-month warranty is included.



The air jet sieve machine is compact and portable. This allows you to set it up quickly and easily in any laboratory or production environment.



The e200 LS system is easy to operate and can be seamlessly integrated into your laboratory or plant. It also communicates reliably with other e200 LS air jet sieve machines.

[Learn more about the e200 LS in this video](#)



# Second factor: Flow properties

In addition to determining the particle size distribution, the flow properties of the detergent powder are also crucial for handling and processing. The **ISO 4324** standard describes the determination of the bulk density and tamped density of powders. These densities are important indicators of flow properties.

The **Bulk Density Tester** from NEXOPART allows quick and easy measurement of the bulk density of powdered and granulated detergents.



NEXOPART test sieves and air jet sieves comply with **DIN ISO 3310** and **ASTM E11**, which are standards relating to sieve analysis and specify the requirements for test sieves. They are used to determine particle size distribution by mechanical sieving. All NEXOPART test sieves for particle size analysis are designed to meet the requirements for a measuring device in accordance with ISO/IEC Guide 99:2007.

„In the detergent powder production NEXOPART's test sieve machines and sieves are perfectly suited and always guarantee reliable and reproducible results.“

– Josef Robben, Senior Sales Specialist at NEXOPART

# Your powerhouse for fine powder

Assemble the NEXOPART e200 LS air jet sieve machine to precisely meet your requirements and on-site conditions. With the right accessories and reliable spare parts, you can ensure consistently high measurement accuracy when analyzing your detergent powder. The scope of delivery includes the basic device and a software. The extraction system is available separately and must be ordered additionally.

A typical set for the detergent powder industry includes:

- [e200 LS Air jet sieve machine with eControl ULTIMATE](#)
- [High-performance industrial vacuum cleaner type L](#)
- [Air jet sieve 45 µm \(DIN Standard\)](#)
- [Air jet sieve 63 µm \(DIN Standard\)](#)
- [Air jet sieve 90 µm \(DIN Standard\)](#)
- [Air jet sieve 100 µm \(DIN Standard\)](#)
- [Air jet sieve 125 µm \(DIN Standard\)](#)
- [Air jet sieve 250 µm \(DIN Standard\)](#)



**Individually selectable – tailored to your requirements:**



[Laboratory balances](#)



[NEXOPART High-performance cyclone GAZ 120](#)



[Pre-separator D360](#)



[Ultrasonic cleaning devices](#)



[Sieve holder](#)



[Sieve cover](#)

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