

# NEXOPART

## Air jet sieve machine e200 LS

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The fine solution for cement

**NEXOPART**

simplicity for your lab

# Make Cement happen with NEXOPART

Cement is the basis for the production of concrete, an indispensable material in the construction industry. Whether bridges, houses or tunnels – concrete is an essential building material for the construction and further development of our modern world. It is therefore crucial to thoroughly check the raw flour quality of the cement. It is the one and only way to ensure that the material meets the highest safety standards. To do this, you need a reliable analytical measuring instrument.

**The e200 LS air jet sieve machine from NEXOPART is ideal for separating, fractionating and determining the grain size of fine to very fine powders in various industries, such as the cement and building materials industry. It delivers precise, fast and reproducible results.**



[Learn more about the e200 LS here](#)



Get 100% accurate and reliable measurement data on the particle size distribution of your cement to optimize your quality control.



Optimize your cement recipe, reduce waste by 80%, and ensure compliance with industry standards.



Accelerate sample analysis and minimize downtime < 2% on your production line.



Choose between our software options [ULTIMATE](#) or [SECURITY](#) to automate your measurements. Use functions such as creating diagrams, automatic sieve detection, connecting scales and direct access to a screen printer or PC.

> 3,500 air jet sieve machines have been used in the cement industry worldwide since 1953

# Security through quality



Accurate and precise determination of the cement raw flour quality is the first step to a high-quality end product. With a measuring range of 10  $\mu\text{m}$  to 4 mm, the NEXOPART e200 LS is exactly what is needed to determine the fineness of cement. The machine enables a significant reduction in testing times as part of quality control and minimizes human error, for example with the help of its automatic sieve detection. The level of detail in the measurement results enables faster responses to potential deviations in production. Adjustments can be made promptly and in a targeted manner. With the help of these highly precise analysis results, you get a more holistic picture of your material quality.



Sample weights of up to 30 g



Simple and quick operability



Measuring range from 10  $\mu\text{m}$  to 4 mm



Upgradeable at any time

- Complies with the **DIN EN 196-6** standard, which defines air jet sieving as a method for determining the grinding fineness of cement. Fine, often cohesive cement particles lead to unreliable results with conventional sieving methods. The air jet sieving method, on the other hand, separates particles effectively and delivers representative results.
- Coverage of **ASTM C 1891:2020**, a standard test method for the determination of the fineness of hydraulic cement by means of air jet sieving using a 45- $\mu\text{m}$ . (No. 325) sieve.
- The system is intuitive to use (plug and play) and can be easily integrated into your laboratory or production line. It also communicates with other e200 LS machines.
- Developed for the demanding conditions of the cement industry, the NEXOPART e200 LS is robust and offers long-lasting performance. A 24-month warranty is of course included.
- The air jet sieve machine e200 LS is compact and portable, making it quick and easy to set up in any laboratory or production environment.
- Our experienced service team is quickly at your side for spare parts inquiries as well as service and maintenance visits. Our established NEXOPART sales and service network of partners supports you worldwide.



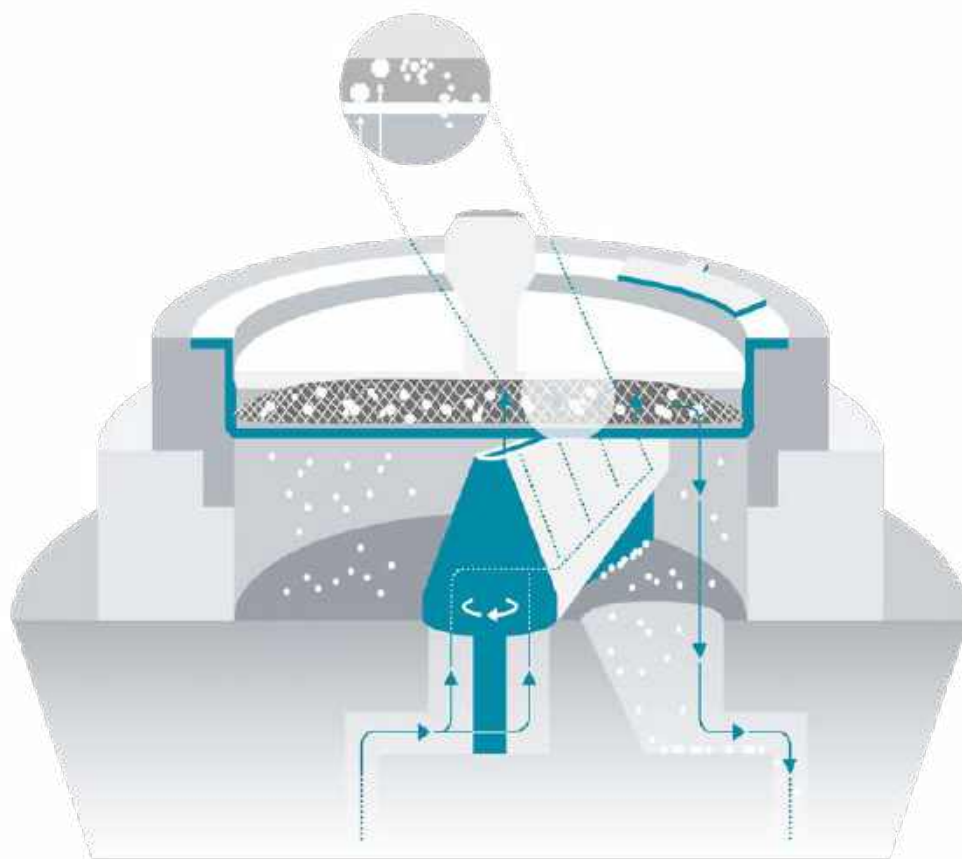
e200 LS  
workstation

# Two components hand in hand

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The NEXOPART e200 LS shows its strengths particularly with fine powders, which often tend to agglomerate and can clog the test sieve. A rotating slotted nozzle inside the sieving chamber of the e200 LS works hand in hand with a powerful industrial vacuum cleaner. While the vacuum cleaner generates a vacuum in the sieving chamber, the narrow gap of the slotted nozzle ensures that the air masses flow at high speed through the sieving mesh from below. The particles lying on the sieve cloth are briefly dispersed by the air jet at the lid. This happens before the suction of the vacuum cleaner picks them up and pulls them down through the sieve cloth. The coarse material remains on the sieve and is weighed again at the end of the separation process.

**The result: fine particles are separated quickly and efficiently.**



„The e200 LS is silent, effective, easy to handle and very helpful for quality control or product development.“

László Győry, Quality Management Leader – Baumit Hungary

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# Your power pack for fine cement powder

Customize the NEXOPART e200 LS air jet sieve machine to perfectly suit your needs and the conditions at the place of use. With practical accessories and reliable replacement materials, the safe and consistently high measurement quality of your cement powder is guaranteed. The scope of delivery includes the basic unit and software. An extraction system must be ordered separately for the air jet sieve machine.

A classic set of e200 LS in the cement industry:

- e200 LS Air jet sieve machine with eControl ULTIMATE
- High-performance industrial vacuum cleaner type L (Standard)
- Air jet sieve 45 µm (DIN Standard)
- Air jet sieve 90 µm (DIN Standard)
- Air jet sieve 212 µm (DIN Standard)

Optional depending on customer requirements:



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



[Pre-separator D360](#)



[Ultrasonic cleaning devices](#)



[Laboratory balance](#)

Order your laboratory supplies conveniently online 24/7 via our webshop.

[www.nexopart.com](http://www.nexopart.com)



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