

CO-NELE Lithium Carbonate Pelletizer | 12 Minute Granulation Cycle



Qingdao, Shandong May 20, 2026 (Issuewire.com) - CO-NELE lithium carbonate granulator is a professional equipment specially developed for battery-grade lithium carbonate powder granulation, integrating mixing and granulation in one step. It is widely used in the processing of lithium-ion battery raw materials, cathode material production, and new energy-related industries. With the core advantage of producing 10-20 mesh spherical granules in 12 minutes per batch, the CO-NELE equipment effectively solves the problems of poor fluidity, easy dusting, and uneven particle size of lithium carbonate powder, improving production efficiency and product quality.

Core Technical Parameters
Processed Material: Battery-grade lithium carbonate powder
Granule Size: 10-20 mesh (0.85-2.0 mm), spherical particles, sphericity $\geq 92\%$
Granulation Cycle: **12 minutes per batch** (3 minutes mixing + 9 minutes granulation)
Material of Liner: 316L stainless steel / PU lining, zero metal contamination, meeting battery-grade purity requirements
Design: Closed negative pressure structure, dust-free operation, suitable for GMP clean workshop
Matching System: One-step integration of mixing, granulation, and discharging, easy to connect with screening, drying, and sintering production lines
Qualified Rate: $\geq 85\%$, no secondary crushing required

Product Advantages

High Efficiency & Short Cycle

The whole granulation process of CO-NELE granulator is completed in **12 minutes per batch**,

realizing one-step mixing and granulation, which is much more efficient than traditional disc granulation. It greatly shortens the production cycle and improves the overall production efficiency of the workshop.

Stable Particle Size & High Quality

CO-NELE granulator precisely controls the particle size within **10-20 mesh**, with small fluctuation (≤ 0.2 mm), uniform particle size and high sphericity. It effectively improves the fluidity of lithium carbonate powder, which is conducive to the subsequent coating and tableting process of lithium batteries.

Battery-Grade Purity & Zero Contamination

CO-NELE granulator adopts **316L stainless steel or PU lining**, which does not produce metal impurities such as iron, copper, and zinc, fully meeting the purity requirements of battery-grade lithium carbonate. The closed negative pressure design prevents dust leakage and ensures clean production.

Wide Adaptability & Easy Operation

It is specially designed by CO-NELE for battery-grade lithium carbonate, and can also be adapted to the granulation of other lithium battery raw materials. The operation is simple, the parameters are easy to adjust, and the batch consistency is high, reducing the difficulty of operation and maintenance.

Application

Widely used in the processing of battery-grade lithium carbonate, lithium-ion battery cathode materials, new energy raw materials, etc. CO-NELE lithium carbonate granulator is an ideal granulation equipment for **new energy battery material processing plants, lithium carbonate production enterprises, and battery manufacturers.**

Contact Us

If you need customized solutions, technical parameters, or quotation of CO-NELE lithium carbonate granulator, please contact us directly. We provide factory direct supply, professional technical support, and perfect after-sales service to meet your production needs.



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