

How much does the battery slurry homogenization equipment cost

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JCT Machinery : The lithium battery slurry production line ensures the uniformity and stability of the electrode slurry through efficient mixing, filtering, degassing and other processes, which is an important part of lithium battery production. JCT Machinery rationally configures and optimizes the equipment and process parameters of each link ...

For mass production, the advantage of MOFA Slurry Production System Line becomes more obvious. 1. MOFA-4000 Slurry Making system, including the on-line dispersing and on-line homogenization, total cost will be around RMB3,500,000.00. 3.

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MOFA Slurry Production Equipment, a high-performance on-line high-speed slurry making system, specially developed by SIEHE SMART for the powder and liquid dispersion and ...

These mixers are indispensable for creating electrode pastes and slurries in battery manufacturing. They ensure a thorough and homogeneous blend of active materials, binders, and conductive additives, crucial for achieving consistent electrode quality and maximizing energy density in batteries. Planetary mixers, which include two or three multi ...

MOFA Slurry Production Equipment, a high-performance on-line high-speed slurry making system, specially developed by SIEHE SMART for the powder and liquid dispersion and homogenization in the battery production process with years of experience in the industry of slurry making equipment.

Data: The traditional mixing process is about 800Wh/L, and the MOFA slurry production process is about 250 Wh/L; Assuming 140 million liters of slurry (70GWh), so 6000h a year, it can save 77 million kWh of electricity per year.

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The slurry mixing step contributes ~8% to the total battery manufacturing cost. Examine well-known methods for slurry mixing: hydrodynamic shear mixing, ball-mill mixing, and ultrasonic homogenization. The cost of lithium-ion batteries (LIB) per kWh has dropped exponentially over the past two decades.

It has been fully verified by the market in the production of low viscosity battery slurry. The uniformity of the finished slurry is better than that produced by planetary mixer, while the investment cost (equipment, site, energy consumption) is far lower than that for planetary mixer slurry production. The only regret is that it cannot be ...

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Enhance battery slurry mixing efficiency with innovative solutions from our proven success in the battery industry. Say goodbye to costly processing and hello to streamlined operations.

The main equipments of battery slurry production line: mixing equipment, dispersing homogenizer (Grinding Machine). Double Planetary Mixer: The equipment consists of geared motor, planet carrier, agitator, scraper, barrel, double-column hydraulic lift systems, and racks etc..

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