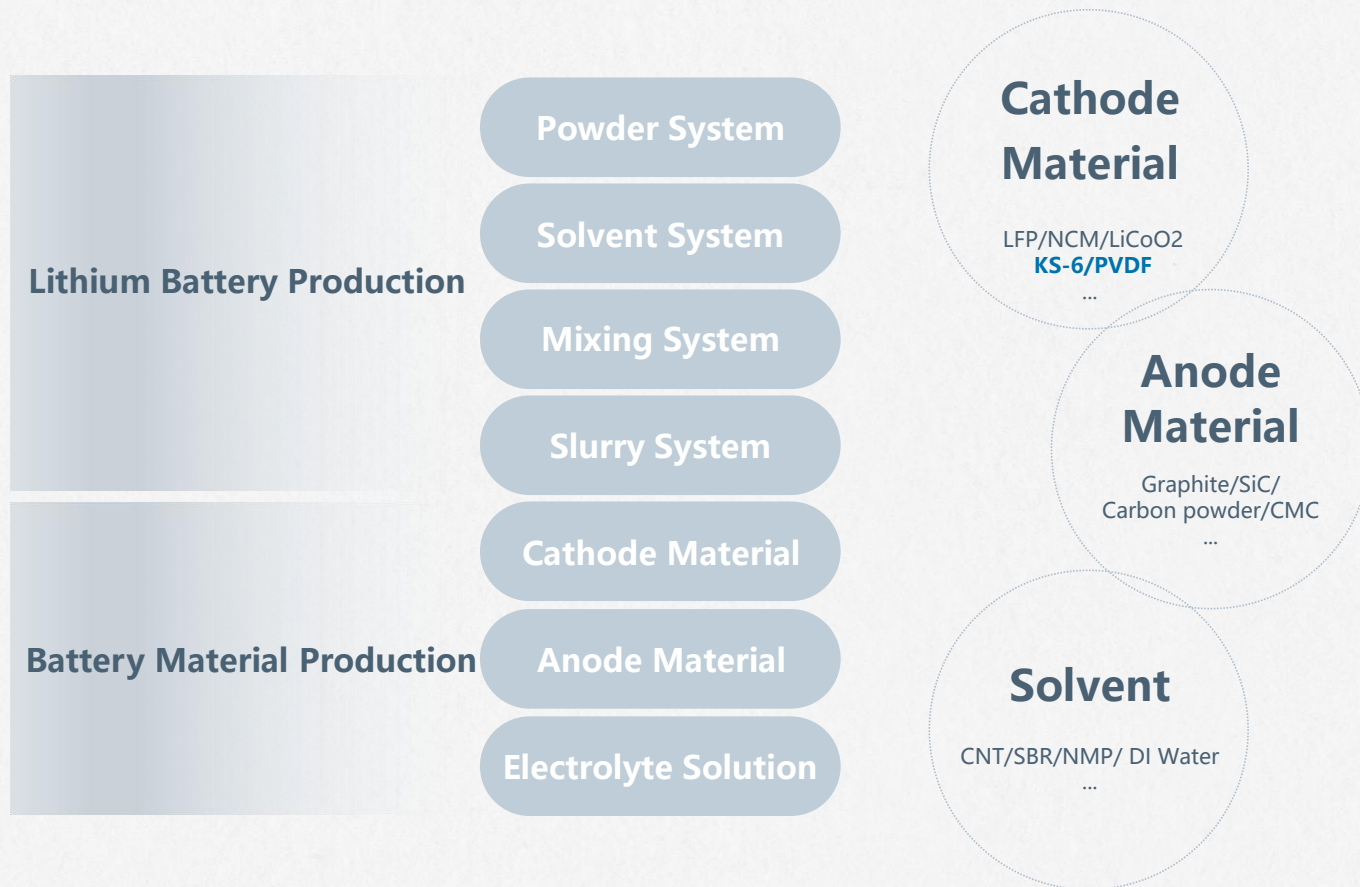


## Scope of Application



# Slurring System Turnkey Solution for Lithium Battery Production

We specialize in developing and manufacturing pneumatic conveying, dosing and metering, mixing and homogenization systems for a variety of powders and granular materials, as well as custom systems for solid-liquid two-phase flow. We develop FLEXIBLE & INTELLIGENT TURNKEY SOLUTION for the new energy industry, from material storage to transport, no-dust bag breaking, high-precision transport, recipe management, and production management (control). We have become a strategic supplier to global leading lithium battery companies and have a supporting production capacity of over 1,000GWh.

1 Large Tank Truck Unloading (Optional)

2 ASRS

3 Logistics System

4 Automatic Big-Bag Breaker

5 Automatic Small-Bag Breaker

6 High Precision Automatic Dosing System

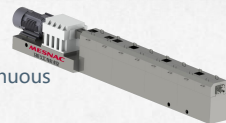
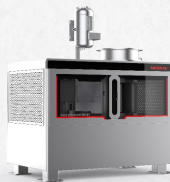
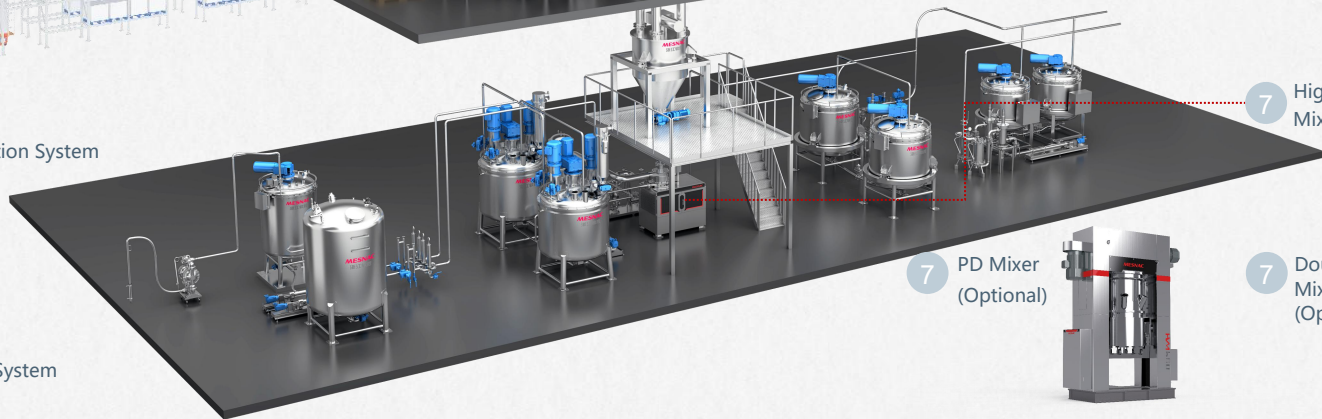
8 RFID Identification System

7 High-speed Dispersion Mixing system

9 MESNAC-S 4.0 Smart Control System

7 PD Mixer (Optional)

7 Double Screw Continuous Mixing System (Optional)



# Specification for MESNAC Turnkey Solution

## ● Measurement errors for powder feeding:

### (1) Main materials: NCM/LFP/Graphite

For batch weight less than 200kg:  $\leq \pm 200\text{g}$

For batch weight >200 kg:  $\leq \pm 0.2\%$

### (2) Auxiliary materials: SP/PVDF/CMC...

For batch weight less than 25kg:  $\leq \pm 20\text{g}$

For batch weight >25 kg:  $\leq \pm 0.2\%$

## ● Measurement errors for solvent feeding:

### (1) NMP/DI Water

For batch weight less than 200kg:  $\leq \pm 200\text{g}$

For batch weight >200 kg:  $\leq \pm 0.2\%$

### (2) CNT/SBR/Dispersant/Other solvents

For batch weight less than 25kg:  $\leq \pm 20\text{g}$

For batch weight >25 kg:  $\leq \pm 0.2\%$

## ● Stability Index:

(1) CPK  $\geq 1.67$  (within appropriate accuracy level)

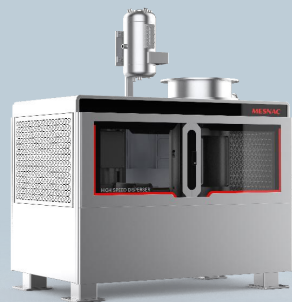
(2) Failure rate:  $\leq 1\%$  (occurs only due to equipment failure)

(3) MTBF:  $\geq 1600\text{H}$  (average non-faulty time)



# Intelligent Equipment

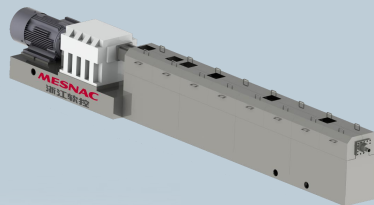
We continuously upgrade core technologies and innovate process reserves to help battery companies rapidly expand production capacity.



High-Speed Dispersion Mixing system



PD Mixer



Double Screw Continuous Mixing System



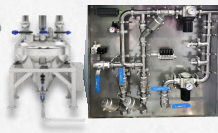
Automatic Small-Bag Breaker



Automatic Big-Bag Breaker



Double-layer Pipe



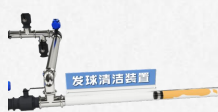
Air Control Unit



Screw/Cylinder  
Cleaning Technology



Double-layer Pipe of  
Gravity Blanking



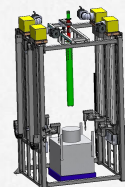
Solvent & Slurry  
Cleaning System



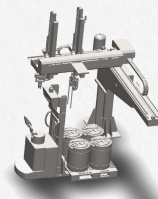
Normal Type  
Unpacking of Big Bag



Suction System  
of Small Bag



Automatic Suction  
System of Big-bag



Solvent Automatic  
Absorbing



Automatic Magnetic  
Filter



Soft Scale Hopper