

# Control of coating thickness in battery mixing and coating processes

## ROTAMASS Coriolis Mass Flowmeter



### What is ROTAMASS?

It is a flowmeter that uses the Coriolis force to detect the flow rate, and its main feature is that it can directly measure the mass flow rate with high accuracy.

It is also possible to measure density, humidity, volumetric flow rate, concentration, etc.

## Application for Batteries

In the mixing and coating process, the coating thickness can be controlled by highly accurate mass flow rate control.

Contributes to battery energy saving and production efficiency improvement in mixing and coating process.

## Capabilities

Realizes highly accurate measurement of liquids and gases.

Multiple process values (mass flow rate, density, temperature) can be measured directly at the same time, and the following process values can be calculated from these measurements.

(Volume flow rate or corrected volume flow rate, reference density, concentration (miscible / immiscible liquid))

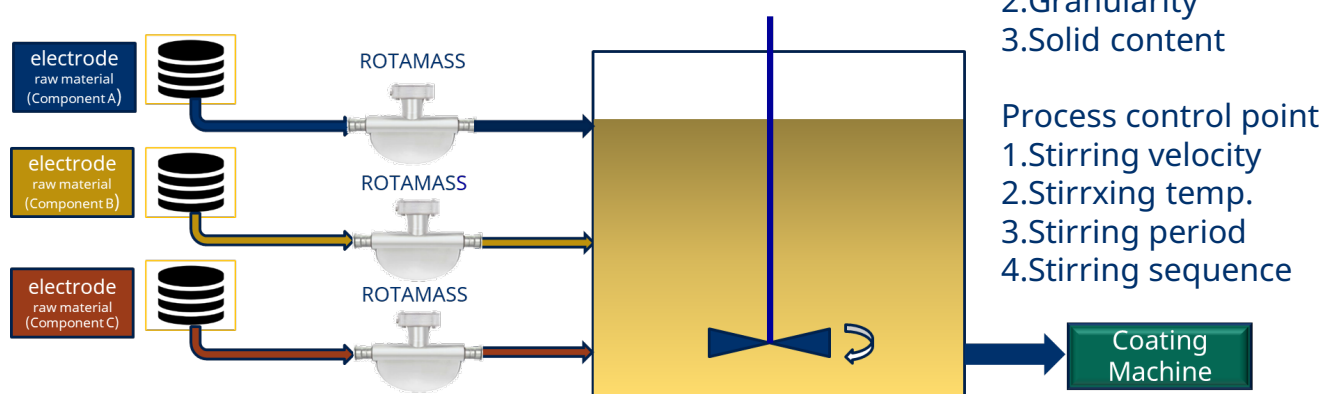
In addition, by inputting measured values from external devices into Rotamass, you can calculate the viscosity of fluids and the amount of energy of gases with high accuracy.

In the following mixing and coating processes, the coating thickness can be controlled with high-precision mass flow rate control.

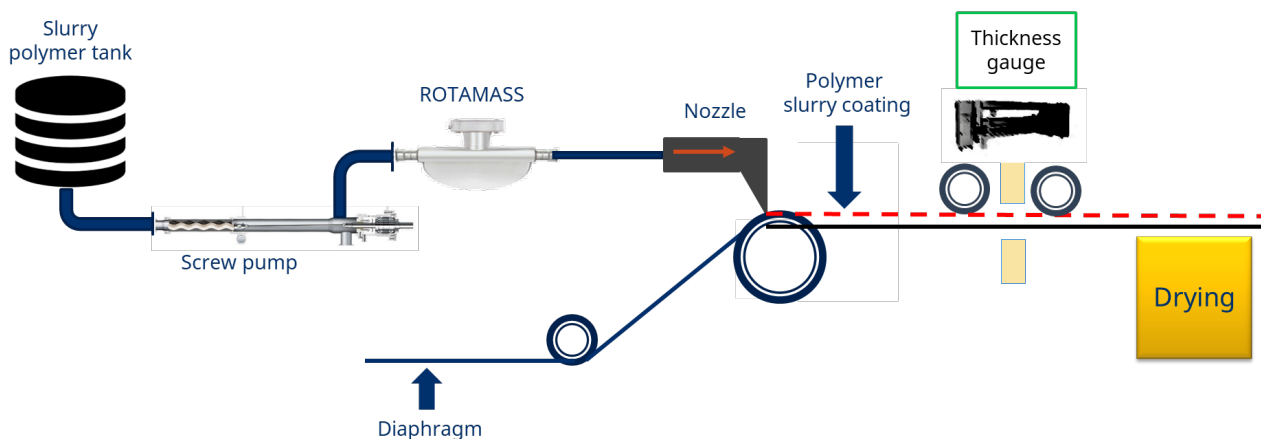
## Mixing

Batch control:

The positive or negative powder and other ingredients are mixed evenly and adjusted to make a slurry.



## Coating



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