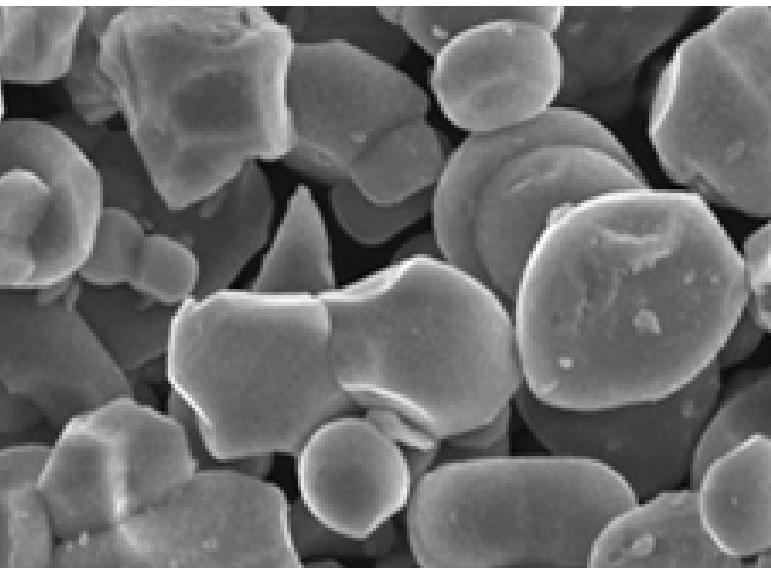
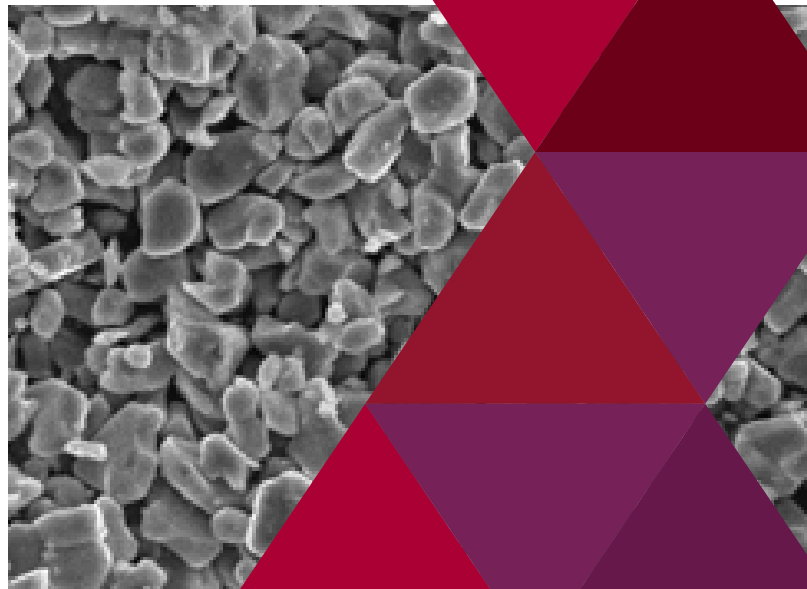
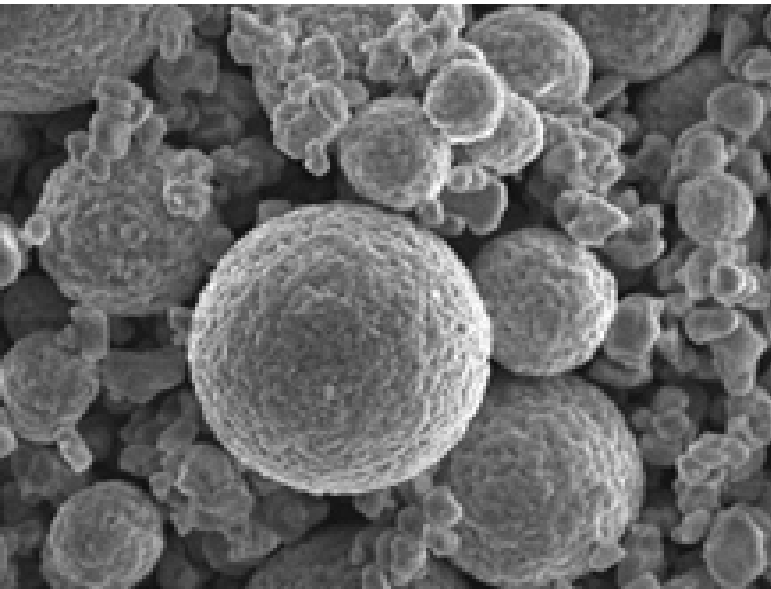


 PRODUCTS FOR BATTERY

Cathode Material



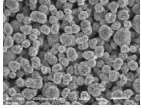
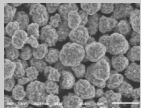
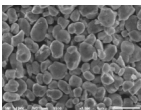
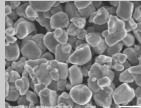
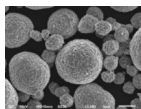
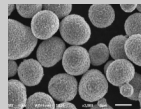
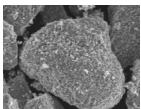
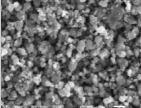
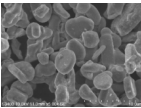
Product Description

Focused on cathode materials for lithium-ion batteries.

Applications

- » Lithium-ion battery
- » Sodium-ion battery

Product Portfolio

CAM	Model	SEM	D50	Description
NCM (LiB)	Ni3 Series (RL03-S)		3~5 μm	<ul style="list-style-type: none"> • Mainly used in the field of HEV, 48V start-stop power supply and others • With excellent rate performance, max. 30C • With long cycle performance, reach more than 10,000 cycles under 4.2V • Considered as high-end high rate performance materials
	Ni5 Series (RL05-S)		3~7 μm	<ul style="list-style-type: none"> • Mainly used in the field of HEV, 48V start-stop power supply, power tools and others • With excellent rate performance, max. 20C • With good energy density and cost advantages
	Ni6 Series (RL06-S)		3~5 μm	<ul style="list-style-type: none"> • Mainly used in the field of BEV • With the characteristics of less lithium residual and low specific surface area • With good high temperature cycle performance, reach more than 2,000 cycles under high voltage 45°C • With good energy density and safety performance • Meet the requirements of most vehicle types globally
	Ni7 Series (RL07-S)		3~5 μm	<ul style="list-style-type: none"> • Mainly used in the field of BEV and PHEV • With the characteristics of less lithium residual and low specific surface area • Maintain good high temperature performance under high voltage, including high temperature cycle and storage performance • With good energy density • The upgraded version of 6 series high voltage products
	Ni8 Series (RL08-F)		8~14 μm	<ul style="list-style-type: none"> • Mainly used in the field of BEV, PHEV, power tools and others • With high energy density, excellent high and low temperature performance • Up to 201mAh/g at 4.25V 1/3C • With excellent cycle life and safety performance
	Ni9 Series (RL09-F)		8~14 μm	<ul style="list-style-type: none"> • Mainly used in the field of BEV, PHEV and others • With higher energy density and lower cost/Wh • Up to 215mAh/g at 4.25V 1/3C • Applicable to high-end models with endurance range up to 1000 kms
LMO (LiB)	RDF28		15~20 μm	<ul style="list-style-type: none"> • Mainly used in the field of digital products, power tools and others • Low Na and low S characteristics due to its special preparation process • With obvious advantages in storage and cycle performance among similar LMO materials • Generally used in high-end fields
LFP (LiB)	RF-G1		1.0 ~ 1.5 μm	<ul style="list-style-type: none"> • Mainly used in the field of EV, ESS and others • With high compacted density and high capacity per gram • Polar piece compacted density >2.6g/cc, up to 145mAh/g at 0.33C • With advantages of good performance and low cost combined with high efficiency production technology • Applicable to high-end models with endurance range up to 600 kms
NFM (SiB)	RN-S		5~7 μm	<ul style="list-style-type: none"> • Mainly used in the field of EV, ESS, E-bike and others • With low cost, high capacity, high rate performance and long cycle life • Up to 125mAh/g under 4.0V • With excellent processing performance and less gas production advantages • Meet the requirements of low-speed EVs and E-bicycles

For more information please reach out to mobility@nagase.eu

NAGASE (EUROPA) GmbH

Werdener Strasse 4, 40227 Düsseldorf, Germany, Tel: +49 (0)211 866200

