



宁波容百新能源科技股份有限公司  
Ningbo ronbay new energy technology Co., ltd

发展新能源材料产业 改善人类生存环境  
Develop new energy material industry and make  
our environment a better place for living



## 公司介绍 Company Introduction

宁波容百新能源科技股份有限公司（简称“容百科技”）是由北京容百投资控股有限公司控股的高科技新能源材料企业，是一家从事锂电池正极材料专业化研发与经营的跨国型集团公司，于2014年9月重组建立，由中韩两支均拥有二十余年锂电正极材料行业成功创业经验的团队共同打造，旗下成员企业包括湖北容百锂电材料有限公司、韩国EMT株式会社、韩国JS株式会社。

Ningbo ronbay new energy technology Co., Ltd ('Ronbay technology' for short) is a high tech new energy material enterprise and a transnational group corporate for professional research and business of positive electrode material of lithium battery, controlled by Beijing Ronbay Investment Holdings Co., Ltd. Reconstructed and established in September 2014, the corporate was built by two teams from China and South Korea both with successful entrepreneurial experience of more than 20 years in the field. Member companies include Hubei Ronbay Lithium Battery Material Co., Ltd, EMT (Korea) Co., Ltd and JS (Korea) Co., Ltd.

容百科技秉承战略经营、产品创新、持续改善、阿米巴经营、工业4.0、事业伙伴、全球整合、产融结合、组织文化的经营方针，在行业研究、基础研发、产品开发、精益生产、成本革新、团队竞争力打造、文化创新、经营理念与模式创新等方面不断探索和突破，成为国际先进、国内领先的锂电池材料先锋企业，引领锂电池三元材料的发展方向。

容百科技始终以“顾客导向”为经营之根本，坚持用心、自主、担当、开拓的精神，不断要求自我拥有科学、理性，学习、创新，大视野、系统性的先进思维模式，工作力求踏实认真、融会贯通、追求极致，坚持创新为主线，坚信创新使企业拥有持续竞争力。

容百科技致力于发展新能源产业，改善人类生存环境，开创公司和员工的美好未来，回报社会。容百科技的发展目标：建立具有一流创新能力以及拥有高度商业文明的新能源企业集群。

Ronbay technology follows the business concepts of Strategic operation, Product Innovation, Constant Improvement, Amoeba Operating, Industry 4.0., Business Partnership, Global Integration, Combination of Industry and Finance, Organization and culture and makes exploration and breakthrough in industrial research, basic research and development, product development, lean production, cost alteration, team competitiveness, cultural innovation, business concept and mode innovation, etc. The corporate has become a pioneer enterprise leading in lithium battery materials at both home and abroad, and the development direction of ternary of lithium battery.

For always, Ronbay technology has kept customer orientation as basis of operation, and stuck to the spirits of being diligent, autonomous, responsible and exploring. An advanced, scientific, rational, learning, innovative, broad sighted and systematic way of thinking is constantly required to be observed. Throughout the work process, we request practical and serious attitude, and pursuit of thorough acquaintance and perfection. We insist on innovation and believe that it shall constantly keep us competitive.

Ronbay technology is devoted to develop new energy industry and make our environment a better place for living, create a beautiful future for the corporate and employees and contribute back to the society. The development goals of Ronbay: To be an enterprise cluster with world class innovation capability and high commercial civilization.



宁波容百



湖北容百



韩国EMT株式会社



北京新能源研究院

## 使命 MISSION

发展新能源产业，改善人类生存环境，开创公司和员工的美好未来，回报社会。

Develop new energy industry and make our environment a better place for living, create a beautiful future for the corporate and employees and contribute back to the society.

## 愿景 VISION

建立具有一流创新能力以及拥有高度商业文明的新能源企业集群。

To be an enterprise cluster with world class innovation capability and high commercial civilization.

## 价值观 SENSE OF WORTH

价值观  
sense of worth

思维模式

Way of Thinking

科学、理性，学习、创新，大视野、系统性  
Scientific, Rational, learning, Innovative, Broad Sighted, Systematic

行为模式

Mode of Behavior

为人：阳光、诚信、坚韧，光荣与梦想  
Behaviors: Sunshine, Honesty, Persistence, Honor and Dream

相处：尊重、信任、感激、融合、分享、服务、支持、协同、共赢，契约精神  
Interpersonal relationship: Respect, Trust, Thanks giving, Convergence, Sharing, Service, Support, Coordination, Win-Win, Contract Spirit

做事：顾客导向、用心、自主、担当、开拓、工作提前、自我退后、进度第一、完美第二、踏实认真、融会贯通，求极致、快乐工作  
Work ethics: Customer orientation, Be Diligent, Autonomous, Responsible and Exploring, Put work forward and yourself backward, Progress first and perfection afterward, Practical and serious attitude, pursue thorough acquaintance and perfection, Work happily

经营方针

Business Concepts

战略经营	Strategic operation
产品创新	Product Innovation
持续改善	Constant Improvement
阿米巴经营	Amoeba Operating
工业4.0	Industry 4.0.
事业伙伴	Business Partnership
全球整合	Global Integration
产融结合	Combination of Industry and Finance
组织文化	Organization and culture



董事长  
Chairman of the board

白厚善  
Bai Houshan

科技+实业+投资  
Scientific technology + industry + investment

容百投资（控股）创始人  
Founder of Ronbay Investment (Holding shares)

当升科技（股票代码:300073）创始人  
Founder of Dangsheng Technology (Stock Code :300073)

北京矿冶研究总院教授级高工（破格晋升）  
Professor level senior engineer of Beijing General Research Institute of Mining and Metallurgy (promoted as an exception)

中国工业部门大型院所改制个人持股第一人  
The very first individual who took stock shares during the reform of large institutes of industrial sector in China

#### 社会职务 Social Titles

- 北京市丰台开发区企业孵化器创业导师
- 中国化学与物理电源行业协会理事
- 中国有色金属工业协会钴行业分会副会长
- 北京市创业板董事长俱乐部第五届轮值主席、常任会员
- 湖北商会仙桃分会副会长
- 2008年华南锂电论坛（国际）“十大风云人物”
- 第五届（2015年度）中国电池行业年度人物
- Entrepreneurship tutor at enterprise incubator of Beijing Fengtai Development Zone
- Member of China Industrial Association of Power Sources
- Deputy head of Cobalt industry branch of China Nonferrous Metals Industry Association
- The 5th Rotating president and ordinary member of Beijing Growth Enterprise Market President Club
- Deputy head of Xiantao branch of Hubei Chamber of Commerce
- ‘TOP 10 Influential Man’ of South China Lithium Battery (International) Forum 2008
- The 5th ‘Man of the Year’ (2015) in China battery industry

控股投资长沙星城微晶石墨公司（831086），2014年8月挂牌新三板。  
推动容百科技旗下子公司韩国EMT株式会社（232530）于2015年底成功登陆韩国中小板。  
以并购基金模式在锂电正极材料行业实施跨国并购整合，打造了三元材料行业龙头企业容百科技（拟上市公司）。

Invested for holding shares in Changsha Xingcheng Micro-crystal Graphite Company (831086), which was public listed in National Equities Exchange and Quotations in August 2014.

Succeeded in putting the son company EMT (Korea) Co.,Ltd (232530), under Ronbay technology, onto Korean Small and Medium-size Enterprise Stock Exchange by end of 2015. Carried out a transnational acquisition in the lithium battery positive electrode material industry by means of mergers and acquisitions fund, and built Ronbay technology as one of the leaders in ternary field (IPO process ongoing).

## 领导介绍 Leadership Introduction



总裁  
President

刘相烈  
YOU SANG YUL

锂电正极材料  
韩国国家级专家  
Expert of national level in  
South Korea in Li-battery  
positive electrode material industry

- 1958年生 毕业于首尔汉阳大学物理学科研究生院
- 1984 - 2002年 任职于三星SDI
- 2002 - 2004年 JAMR（中国、加拿大合资公司）
- 2005 - 2010年 任职于L&F锂电正极材料事业部、出任总经理
- 2011年1月至今 创办韩国EMT并出任董事长、总经理
- 2013年3月至今 创办韩国载世能源株式会社，出任社长
- 2013年9月至今 创办韩国TMR
- 2014年9月至今 任职于容百科技、出任总裁

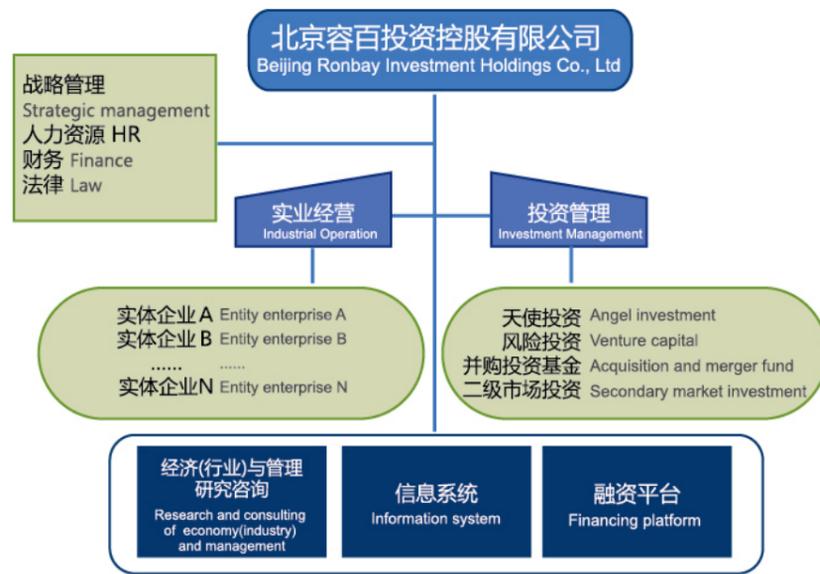
- Born in 1958, graduated from Hanyang University, Seoul Institute of Physics
- 1984-2002, worked in Samsung SDI
- 2002-2004, JAMR (a Sino-Canada joint venture)
- 2005-2010, worked in L&F Lithium Battery Positive Electrode Material Division as general manager
- Jan 2011 till now, founded EMT Korea and worked as president and general manager
- Mar 2013 till now, founded Zaishi Energy (Korea) Co., Ltd and worked as head of company
- Sept 2013 till now, founded TMR Korea
- Sept 2014 till now, worked in Ronbay technology as president

## 控股股东介绍 Introduction of Majority Shareholders

北京容百投资控股有限公司（简称：容百投资(控股)，英文名称：Ronbay Holdings），由深交所创业板上市公司当升科技（股票代码：300073）创始人白厚善先生于2013年1月创立，并担任公司董事长。

Beijing Ronbay Investment Holdings Co., Ltd (Ronbay Holdings for short) was founded in January 2013 by Mr. Bai Houshan(the president), who is the founder of Dangsheng Technology (stock code 300073) which is listed in Shenzhen GEM Stock Exchange.

容百投资(控股)商业模式图  
Map of Ronbay Holdings Business Mode



### 三个支持平台 Three support platforms

### 产融生态系 Industrial and financing eco-system

一体两翼三平台 One body, two wings and three platforms

九大工具 Nine tools

连接者 行业整合者 Connectors Industrial integrator

投资全产业链 Investment in complete industrial chains

容百投资(控股)是一家专业从事并购和行业整合的投资控股公司。通过经济分析，寻找仍有发展潜力、集中度不高的细分行业；通过深入研究，确定行业未来发展方向、商业模式、最佳并购组合；之后在行业内进行并购、整合。创造的投后价值包括：对被并购企业进行整顿提升，以及通过企业之间的合并吸收，使资源得到优化配置创造价值。

Ronbay Holdings is an investment holdings corporate specialized in acquisitions and mergers and reconsolidation of industries. Through economic analysis, we find those subdivided sectors which still have got potential for growth and not high concentration; through deepened research, we find the development direction of the industry's future, business mode and best merger combination; later we carry out acquisitions and mergers in the industry. Values created by investment include: resources can be better configured for more value through consolidation and upgrade of the merged company and their recombination.

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容百投资(控股)拥有中韩两支成功创业过的成熟团队，有能力把握细分行业的方向、对中、小企业开展战略咨询，帮助企业提升管理、转型为创新型、国际化的企业，促进细分行业企业之间的合并吸收。容百(控股)将帮助所投资企业上市，并追求自己成为一家上市公司。

目前，公司下辖有北京容百新能源投资管理有限公司、载世能源株式会社（韩国）、上海容百新能源投资企业（有限合伙）、宁波容百科技股份有限公司、湖北容百锂电材料有限公司、EMT株式会社（韩国）六家控股子公司，并参股TMR株式会社（韩国）。

中国社会正处经济的转型期，很多细分行业需要完成从中国制造向中国创造的转型，需要通过并购整合走向集中，摆脱你死我活的竞争。并购整合正符合当前经济发展需要。容百投资(控股)由拥有实际创业经历的创业者组成的实战团队，目前开展并购投资的行业是锂电正极材料行业，这是一个处于高度分散、竞争激烈，但又极具成长性的行业，由于电动汽车产业的发展，该行业空间将扩大数十倍、百倍，拥有广阔的发展前景。

公司以打造员工公社为团队建设理念，强调员工是企业的主人，注重人才的吸引与全面培养。海纳百川、上善若水，容百人将会以包容的心态和创新的精神为实现公司的战略目标不懈努力！

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Ronbay Holdings owns two mature teams from both China and South Korea who have successful entrepreneurial experience in evaluating direction of industrial sector and providing strategic consulting for small and medium sized enterprises. We help companies improve management, transform to innovative and international enterprises, and promote the mergers among companies in subdivided sector. Ronbay Holdings will help the enterprise she invested to go public listed and also try to make the same happen for herself.

At current, the company owns subordinating companies including 6 holding companies of Beijing Ronbay New Energy Investment and Management Co., Ltd, Zaishi Energy (Korea) Co., Ltd, Shanghai Ronbay New Energy Investment Enterprise (limited partnership), Ningbo ronbay technology technology Co., Ltd, Hubei Ronbay Lithium Battery Material Co., Ltd, EMT (Korea) Co., Ltd, and the company has shares in TMR (Korea) Co., Ltd.

China is experiencing economic transition and many subdivided sectors need to upgrade from Made-in-China into Invented-in-China. They need to get rid of over fierce competition by mergers and acquisition which just meets the current development need of the economy. Ronbay Holdings owns a team consisting of real entrepreneurs with practical experience. The current investment and merger target sector is lithium battery positive electrode material industry which is highly scattered and over competitive but has great potential for growth. Considering the development of electric automobiles industry, this sector will be expanded by tens or hundreds of times and embrace a bright future.

The company aims to build the team into a commune for employees and stresses on the point that employees are the master of the enterprise, talents are valued and shall be comprehensively fostered. The kindest thing is just like water. Sea contains all rivers. Ronbay team will fight for the company's strategic goals with open heart and spirit of innovation!

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## 董事长致辞 Speech of Chairman of Board

我们相信，平等的关系、自由的思想以及对成果分享将会促进创新。坚持通过创新创造商业价值，一定会取得真正的商业的成功，从而为社会的改变做出贡献，使人生充满意义。

我们从事并购投资与行业整合，在选定这一方向并实际开展投资活动一年后，我的一位中欧同学告诉我，我们构造的这样一种投资公司与美国的丹纳赫（DANAHER）公司有很高的相似度，而该公司在过去二十年给予股东的回报是巴菲特的伯克希尔（Berkshire Hathaway）公司的六倍。

我们投资到那些还很分散、仍具成长性的行业，通过管理咨询对所投资企业进行整改提升，并按照我们在该行业的最佳商业设计，将所投的一系列企业进行有效整合，使企业迅速做大做强，而且形成最有利的产业链架构，消除恶性竞争。还可通过并购基金作为纽带，使所投资的企业之间形成协同效应，快速响应客户的需求。我们将容百控股作为管理支持平台，给予企业多方面的服务，并最终使其通过多种途径实现上市。

我们从自己熟悉的锂电正极材料行业做起，由于电动汽车开始迅速产业化，该行业的前景变得十分广阔。经过两年的努力，我们已经在锂电正极材料行业投资并购了两家中国企业和两家韩国企业，并使之形成了较为合理的产业链，其综合质地业内居于前列。

我们相信，平等的关系、自由的思想以及对成果分享将会促进创新。坚持通过创新创造商业价值，一定会取得真正的商业的成功，从而为社会的改变做出贡献，使人生充满意义。

我们在容百及所投资企业推行事业伙伴计划以及员工持股，我们寻求志同道合者一起来追求真正的商业的成功。



*We believe that equal relations, free minds and sharing of results will promote innovation. Keeping in creating business value through innovation will definitely lead to true business success, and further lead to contribution to change of society for good and make life full of meanings.*



We work in acquisition and merger, investment and industrial integration. After one year when we have picked the direction and actually started investment, one of my central European classmates told me that the sort of investment company we have created is much similar to the American company DANAHER, which in past 20 years has made to give her shareholders 6 times of return more than that Buffett gives to his in Berkshire Hathaway.

We invest into those industries that are quite scattered but with capability to grow. We reform and improve the enterprises we invest in through management consulting and effectively integrate a series of enterprises we invest in by best design of business modes we take in the industry so the enterprises can rapidly grow bigger in scale and form an advantageous industrial chain of framework and eliminate cut-throat competition. Meanwhile, a coordination effect can be reached among the enterprises we invest in, thanks to the link of acquisition and merger fund, to quickly respond to customers' need. We use Ronbay Holdings as a management and support platform to provide services of many sorts to the enterprises and ultimately realize IPO through many approaches.

We started from lithium battery positive electrode material section which we are familiar with. Since electric automobile is going through industrialization rapidly, outlook for this industry is quite bright. Through two years of effort, we have invested in and merged two Chinese enterprises and two Korean enterprises, all in the field of lithium battery positive electrode materials, and therefore a relatively reasonable industrial chain is formed with a comprehensive quality leading in the industry.

We believe that equal relations, free minds and sharing of results will promote innovation. Keeping in creating business value through innovation will definitely lead to true business success, and further lead to contribution to change of society for good and make life full of meanings.

We promote business partnership plan and Employee Stock Ownership Plan in Ronbay and the enterprises we invest in. We are looking for those with same dreams with ours to pursue together true business success.

产品规划 / Roadmap

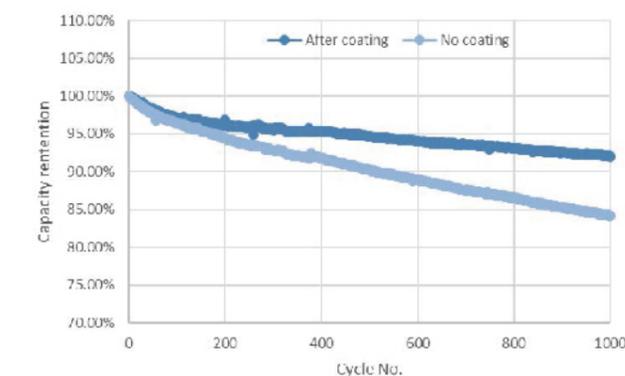
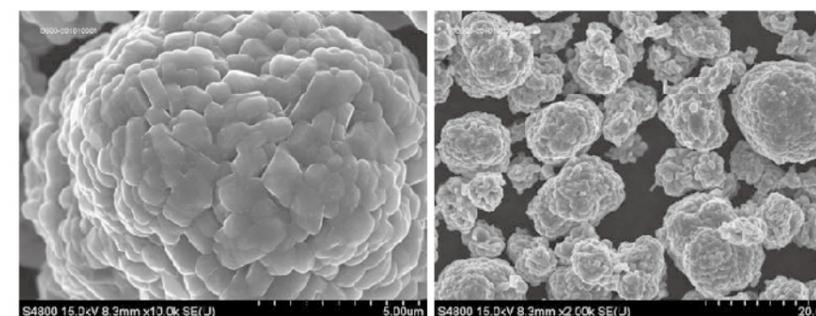
Production				2018				2019			
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
NCM333	Normal	EV	S600	■							
	High -rate	EV	S601	■	■						
NCM523	Normal	CE&EV	S700	■							
	Normal	EV	S7LC	■							
	High -rate	CE&EV	S701C	■							
	High -voltage 4.4V	CE	S740	■							
NCM622	Normal	CE	S760	■							
	Normal	EV	S76E	■							
	Single Crystal	CE&EV	S762	■							
NCM811	Normal (Ni79)	CE&EV	S800	■							
	Stable Type (Ni79)	CE&EV	S800C	■							
	High energy(Ni83)	CE&EV	S85E	■							
	Single Crystal (Ni83)	CE&EV	S8303	■	■						
	High energy(Ni88)	CE&EV	S88E	■	■	■	■				
NCA	Normal(Ni81)	CE&EV	SA850	■							
	High energy&Bimodal(Ni90)	CE&EV	SA900	■	■	■	■	■			

■ Mass Production      ■ Under Development

常规产品系列 / Normal Type Index

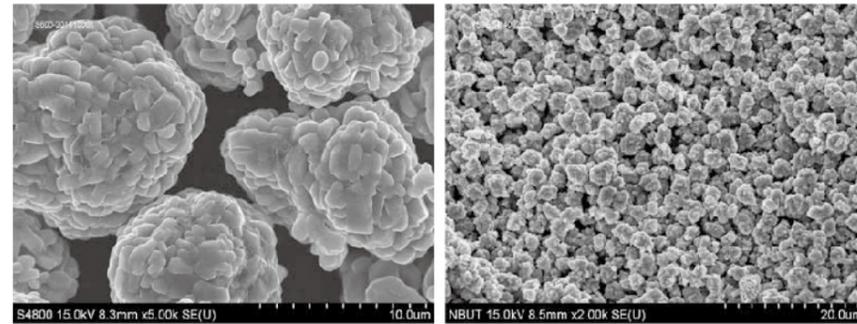
Item	Unit	NCM333	NCM523
		S600	S700
Particle Size Distribution	D <sub>10</sub>	≥5.00	≥5.00
	D <sub>50</sub>	11.50±2.00	12.60±2.00
	D <sub>90</sub>	≤28.00	≤28.00
BET	m <sup>2</sup> /g	0.20~0.45	0.25~0.45
TD	g/cm <sup>3</sup>	≥1.90	≥2.00
pH	/	11.00±0.30	11.44±0.30
Titration	Li <sub>2</sub> CO <sub>3</sub>	<0.15	≤0.15
	LiOH	-	≤0.15
Coin Cell (3.0-4.3V)	0.1C Dis.Cap	≥158.0	≥168.0
	1st Eff	≥88.0	≥88.0

➤ Excellent cycling stability by coating

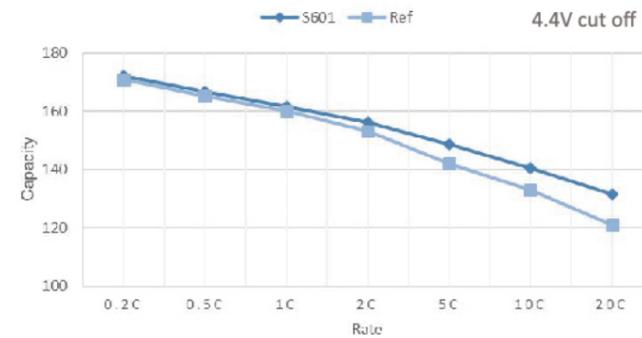


### 倍率型产品系列 / High Rate Index

Item	Unit	NCM333	NCM523
		S601	S701C
Particle Size Distribution	D <sub>10</sub>	≥2.00	≥3.00
	D <sub>50</sub>	4.50 ± 1.50	8.70 ± 2.00
	D <sub>90</sub>	≤15.00	≤18.00
BET	m <sup>2</sup> /g	0.80~2.00	0.35 ± 0.20
Tap Density	g/cm <sup>3</sup>	≥1.60	≥1.90
pH	/	11.30 ± 0.30	11.00~11.80
Titration	Li <sub>2</sub> CO <sub>3</sub>	≤0.20	≤0.15
	LiOH	≤0.10	≤0.15
Coin Cell (3.0-4.3V)	0.1C Dis.Cap	≥166	≥169
	1st Eff.	≥92.0	≥89.0



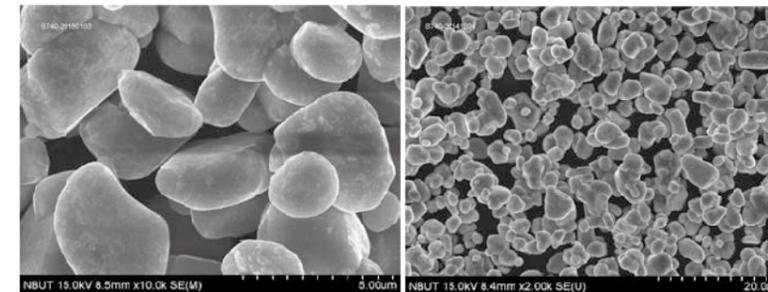
#### High rate discharge performance



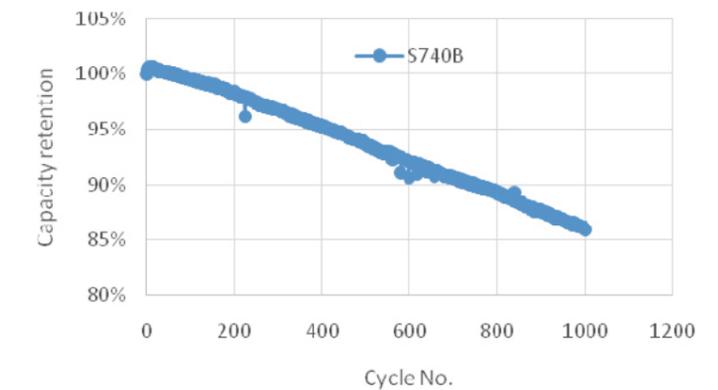
### 高电压产品系列 / High Voltage Index

Item	Unit	NCM523(for 3C)	NCM523	NCM622	NCM811
		S740	S740B	S76L	S8303
Particle Size Distribution	D <sub>10</sub>	≥2.00	≥1.50	≥2.00	≥1.0
	D <sub>50</sub>	5.60 ± 2.0	5.00 ± 1.50	5.50 ± 1.50	3.50 ± 1.50
	D <sub>90</sub>	≤15.00	≤15.00	≤15.00	≤18.00
BET	m <sup>2</sup> /g	0.60~0.80	0.50~1.00	0.70 ± 0.25	≤1.5
TD	g/cm <sup>3</sup>	≥1.70	≥1.70	≥1.50	≥1.30
pH	/	10.80 ± 0.30	11.00 ± 0.50	11.30 ± 0.30	≤11.8
Titration	Li <sub>2</sub> CO <sub>3</sub>	≤0.08	≤0.15	≤0.20	≤0.40
	LiOH	≤0.05	≤0.10	≤0.15	≤0.45
Coin Cell (3.0-4.3V)	0.1C Dis.Cap	≥182(4.4V)	≥168	≥174	≥206
	1st Eff	≥88.0(4.4V)	≥87.0	≥86.0	≥87.5

- High voltage and press density (≥3.75g/cm<sup>3</sup>)
- Excellent high temperature cycle performance



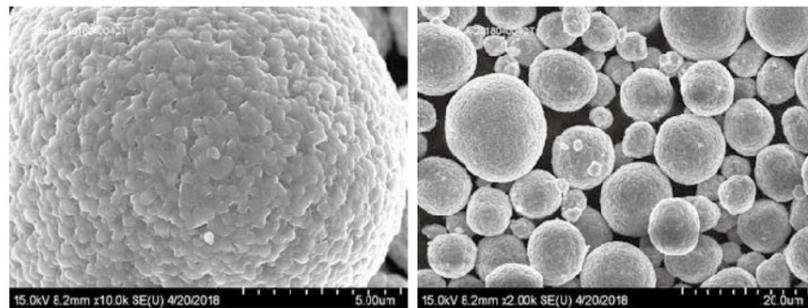
#### Cycle performance @60°C



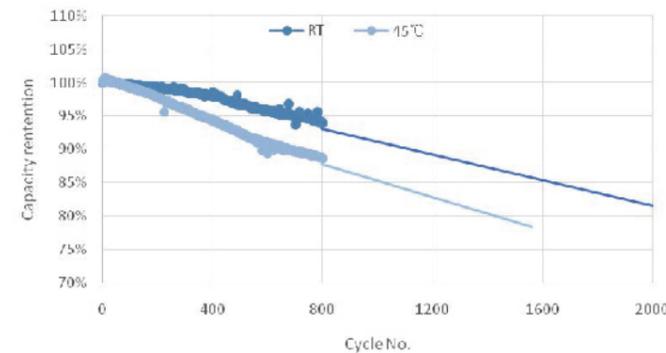
高镍产品系列 / Nickel Rich Product Index

Item	Unit	811-Normal	811-Stable Type	811-High Energy	811-Energy plus
		S800	S800C	S85E	S88E
Particle Size Distribution	D <sub>10</sub>	≥5.00	≥5.00	≥4.00	≥4.00
	D <sub>50</sub>	13.00±2.00	11.00±2.00	10.5±2.00	11.00±2.00
	D <sub>90</sub>	≤30.00	≤30.00	≤28.00	≤28.00
BET	m <sup>2</sup> /g	0.25±0.15	≤0.70	≤0.80	≤0.80
TD	g/cm <sup>3</sup>	≥2.20	≥2.20	≥2.10	≥2.10
pH	/	≤12.0	≤11.8	≤11.8	≤11.8
Titration	Li <sub>2</sub> CO <sub>3</sub>	wt. %	≤0.75	≤0.40	≤0.40
	LiOH	wt. %	≤0.45	≤0.45	≤0.45
Coin Cell (3.0-4.3V)	0.1C Dis.Cap	mAh/g	≥195	≥200	≥215
	1st Eff.	%	≥87.0	≥88.0	≥88.0

Homogeneous grain size lead to high cycle stability



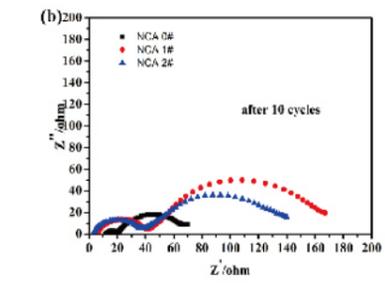
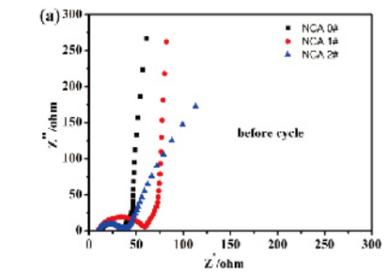
Excellent high temperature cycling performance—Nickel rich



高镍产品系列 / Nickel Rich Product Index

Item	Unit	High Rate	High Energy
		SA850	SA900
Particle Size Distribution	D <sub>10</sub>	≥4.00	≥1.50
	D <sub>50</sub>	11.00±2.00	11.00±2.00
	D <sub>90</sub>	≤30.00	≤30.00
BET	m <sup>2</sup> /g	≤0.70	≤0.70
TD	g/cm <sup>3</sup>	≥2.20	≥2.20
pH	/	≤12.0	≤12.0
Titration	Li <sub>2</sub> CO <sub>3</sub>	wt. %	≤0.40
	LiOH	wt. %	≤0.45
Coin Cell (3.0-4.3V)	0.1C Dis.Cap	mAh/g	≥205
	1st Eff.	%	≥89.0

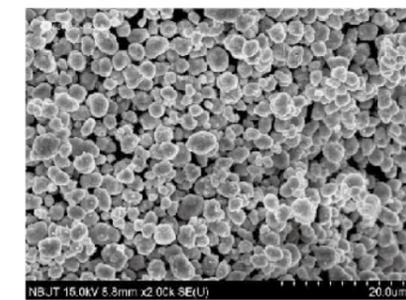
➤ Post treatment brings lower residual Lithium & surface impedance



- High rate performance, high press density
- Excellent cycle performance due to metal doping & post treatment

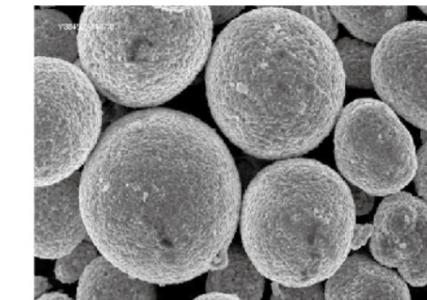


=



Small particle for high power

+



Large particle for high energy and stability

## 产学研合作

### Industry-Academia-Research Cooperation

2005年，容百科技与浙江大学分析测试中心合作，并聘请浙江大学曾跃武教授担任公司专家顾问

2009年，容百科技与清华大学合作并签订了《合作框架协议》

2011年，容百科技与中国计量学院、浙江科技学院合作，签订了《产学研联盟合作协议书》

2012年，容百科技与哈尔滨工业大学合作，选拔公司优秀的科研技术人员到哈工大材料学院攻读材料学硕士研究生的深造计划

2013年，容百科技与宁波工程学院签订《战略合作协议》，聘请清华大学应皆荣教授为公司首席专家

2015年，容百科技与北京科技大学合作，选拔公司优秀的科研技术人员到北科大材料学院攻读材料学硕士研究生的深造计划

In 2005, Ronbay technology cooperated with Analysis and Testing Center of Zhejiang University and hired Professor Zeng Yuewu as the company's expert consultant.

In 2009, Ronbay technology cooperated with Tsinghua University and signed a Cooperation Framework Agreement.

In 2011, Ronbay technology cooperated with China Jiliang University and Zhejiang University of Science and Technology, and signed a 'industry-academia-research alliance cooperation agreement'

In 2012, Ronbay technology cooperated with Harbin Institute of Technology and selected and sent outstanding scientific and technological employees of the company to study in the College of Materials for master's degree of Materials Science.

In 2013, Ronbay technology signed a strategic cooperation agreement with Ningbo University of Technology and hired professor Ying Jierong from Tsinghua University as the company's chief expert.

In 2015, Ronbay technology cooperated with University of Science and Technology Beijing, and selected and sent outstanding scientific and technological employees of the company to study in the College of Materials for master's degree of Materials Science.

容百科技在浙江余姚、湖北鄂州、韩国忠州分别建有锂电正极材料及其前驱体的基础研究与产品开发测试中心，拥有专利45项，申请中的专利14项，依托企业自身技术优势，为更快提升基础研究与产品开发步伐，建设和培养高精尖技术人才团队，容百科技开展多项产学研合作项目，先后承担了火炬计划、星火计划、国家863计划和高新科技产业化推进等项目中的多个国家级科研项目，填补了多项国内技术空白。容百科技北京新能源研究院计划于2018年底建成。与容百科技开展产学研合作项目的单位：

Ronbay technology has built basic research and product development and testing centers for lithium battery positive electrode material and its former body in Yuyao, Zhejiang, Wuhan, Hubei, and Chungju, Korea. The company holds 45 patents and 14 patents are being applied. Based on our technological advantage, in order to faster the pace of basic research and product development, build and foster high tech talents team, Ronbay technology has carried out many industry-academia-research cooperation projects, successively taking charge of many national scientific research projects within the plans of China Torch Program, China Spark Program, 863 Program and Promotion of High and New Tech Industrialization, etc. Many technological gaps in China has been filled. Ronbay technology Beijing New Energy Research Institute is planned to be constructed in the end of 2018. The institutes which are in industry-academia-research cooperation with Ronbay are:



## 产品市场应用

### Application of Products

电池不仅是我们日常生活中的工具，更是能够照亮整个世界的重要资源。我们离不开电池，电池正在扮演着越来越重要的角色。全世界正在努力尝试摆脱对石油（不可再生资源）的依赖，尝试寻找更为环保的替代品。

材料是人类生活过程中必不可少的部分，人类各种各样的活动都离不开材料。材料在人类文明的发展中起着至关重要的作用，没有材料的发展就没有人类文明的进步，而人类文明的进步又反过来促进材料的进步。锂电正极材料作为新一代能源材料，具有非常广阔的市场应用空间，广泛应用于智能手机、笔记本/平板电脑、电动工具、电动自行车、电动汽车以及储能领域。它的潜力等待着人类的探索和发掘，人类的文明也将迈出至关重要的一步。

Battery is not only a tool we use in daily life, but also an important resource to light up the entire world. We can not live without batteries, which are playing a more and more important role. The world is trying to get rid of dependence on oil(non-renewable resources) and find a substitute that is more environmentally friendly.

Materials are an indispensable part in the process of human life. Many activities can not go on without materials. They play a key role in the development of human civilization. Human civilization can not make progress if without the development of materials, in reverse, the progress of human civilization helps promote the development of materials. Lithium battery positive electrode material as a new generation of energy material has a very wide space for market application, it can be widely used in smart phones, laptops, tablet PCs, electric tools, electric bikes, electric automobiles and energy storage field. The potential it has awaits human beings to explore and develop. Human civilization will take a key step forward.

## 品牌与渠道

### Brand and Channels

容百科技拥有三元正极材料领域全球最优质的客户渠道，遍及中国、韩国和日本。

容百科技秉承战略经营、产品创新、持续改善、阿米巴经营、工业4.0、事业伙伴、全球整合、产融结合、组织文化的经营方针，在行业研究、基础研究、产品开发、精益生产、成本革新、团队竞争力打造、文化创新、经营理念与模式创新等方面不断探索和突破，成为国际先进、国内领先的锂电池材料先锋企业，引领锂电池三元材料的发展方向。

容百科技始终以“顾客导向”为经营之根本，坚持用心、自主、担当、开拓的精神，不断要求自我拥有科学、理性，学习、创新，大视野、系统性的先进思维模式，工作力求踏实认真、融会贯通、追求极致，坚持创新为主线，坚信创新使企业拥有持续竞争力。

Ronbay new energy has the strongest customer channels in the field of ternary positive electrode material.

Ronbay technology follows the business concepts of Strategic operation, Product Innovation, Constant Improvement, Amoeba Operating, Industry 4.0., Business Partnership, Global Integration, Combination of Industry and Finance, Organization and culture and makes exploration and breakthrough in industrial research, basic research and development, product development, lean production, cost alteration, team competitiveness, cultural innovation, business concept and mode innovation, etc. The corporate has become a pioneer enterprise leading in lithium battery materials at both home and abroad, and the development direction of ternary of lithium battery.

For always, Ronbay technology has kept customer orientation as basis of operation, and stuck to the spirits of being diligent, autonomous, responsible and exploring. An advanced, scientific, rational, learning, innovative, broad sighted and systematic way of thinking is constantly required to be observed. Throughout the work process, we request practical and serious attitude, and pursuit of thorough acquaintance and perfection. We insist on innovation and believe that it shall constantly keep us competitive.



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