NEWARE
Since 1998

Turnkey Solutions of Battery Preparation



Integrated Test Solution, Improves Manufacturing Process.

NEWARE STORE
One-Stop Purchasing Platform
www.neware-store.com

1998
Established in

1,000+
Employees

ISO 9001

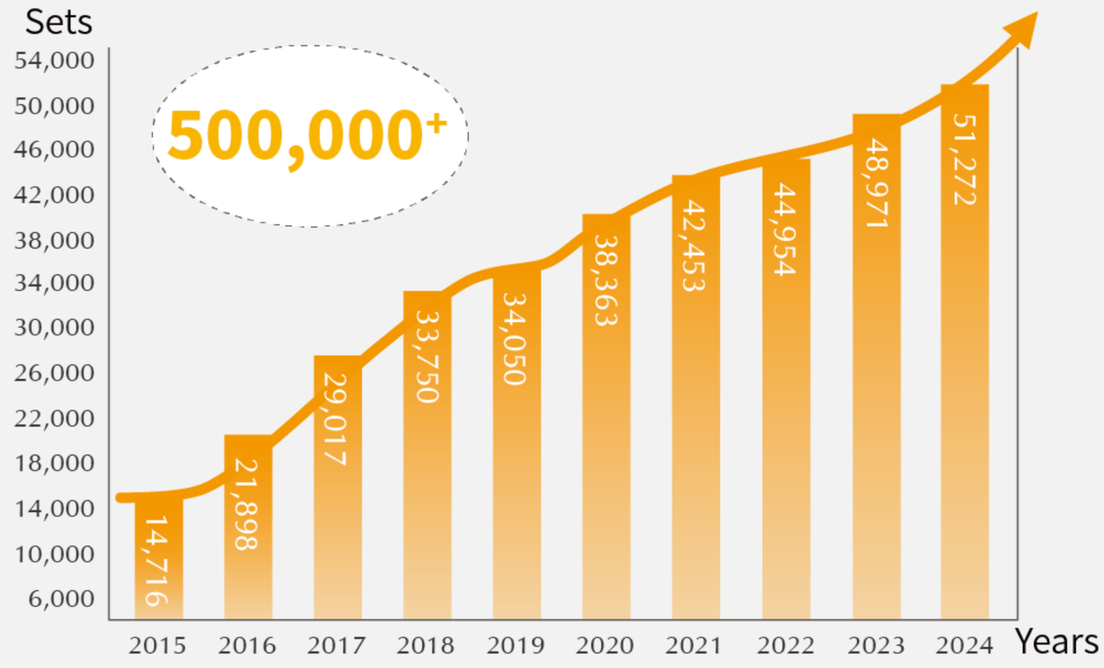
60,000+
Clients

1,000+
Patents & Software Copyrights

Dedicated to providing support for Global Battery Manufacturers and related Material Production Companies, Quality Inspection Departments, Universities, and Research Institutions

- Providing high-performance Battery Testing Systems, Formationand Grading Systems, Environmental Test Chambers, and Automation Equipment
- Providing system services NEWARE Store + NEWARE LabTech AI (LIMS)
- Providing global service network, achieving timely response

10-year product shipments overview of NEWARE



Our Mission

Simplify Procurement
Facilitate Research

Our Vision

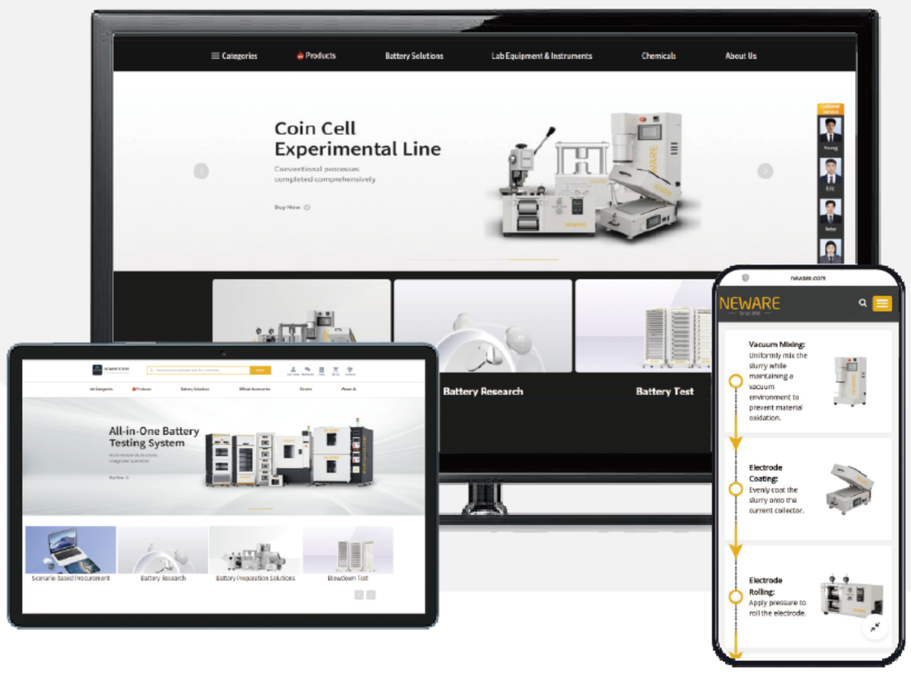
The App that Understands Researchers Best

Our Values

Simplify Complexity
Act with Kindness

We Specialize in Research Procurement

< NEWARE Store App >
is the first multifunctional internet platform that combines scientific procurement and social services, dedicated to providing you with an all-in-one research procurement solution.



Precise Matching Efficient Collaboration

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Search "NEWARE Store" for the latest information

Tailor-Made & Worry-Free
One-Stop Purchasing Platform

NEWARE — Coin Cell Battery Solution

01.Raw Material Weighing



Electronic Precision Analytical Balance

02.Stirring



Small Planetary Vacuum Mixer



Magnetic Stirrer

03.Slurry Coating



Automatic Coating and Drying Machine

04.Vacuum Drying



Benchtop Vacuum Drying Oven

05.Electrode Roller Pressing



Electric Vertical Roller Machine

06.Electrode/Diaphragm Punch



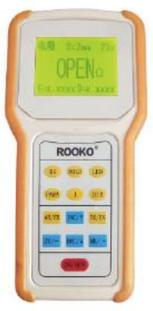
Coin Cell Punching Machine

07.Atmosphere Control



Single Sided Double Station Glove Box

08.Voltage/resistance testing



Handheld Four Probe Resistivity Tester

09.Battery Sealing



Coin Cell Sealing Machine (Disassembler)



Electric Coin Cell Sealing Machine

10.CV/EIS Test



Electrochemical workstation + 25L Mini Constant Temperature Chamber

11.Charge and Discharge Testing



5V10/20/50/100mA Battery Test Equipment



Coin Cell All-in-One Testing System



Coin Cell High and Low Temperature All-in-One Testing System



Solid State Battery All-in-One Machine

12.High and Low Temperature Testing



High and Low Temperature Chamber

13.Expansion Test



Scientific In-situ Battery Expansion Tester

14.In-situ Test



Use with XRD for in-situ battery charge/discharge testing

15.Accessories







Coin Cell Battery Clamp

*The picture is for reference only, please refer to the actual product

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NEWARE — Cylindrical Cell Battery Solution

01.Raw Material Weighing



Electronic Precision Analytical Balance

02.Vacuum Stirring



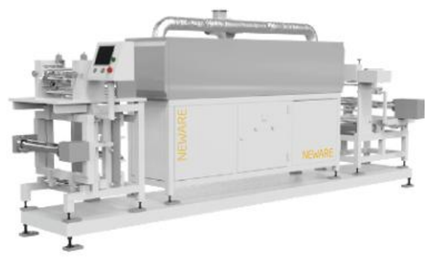
Small Planetary Vacuum Mixer

03.Slurry Filtering



Iron Removal Filtration Machine for Slurry

04.Slurry Coating



Fully Automatic Experimental Coater

05.Vacuum Drying



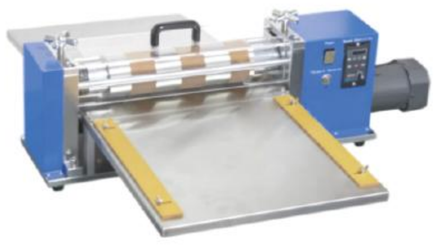
Benchtop Vacuum Drying Oven

06.Electrode Roller Pressing



Electric Vertical Roller Machine

07.Electrode Tab Cutting



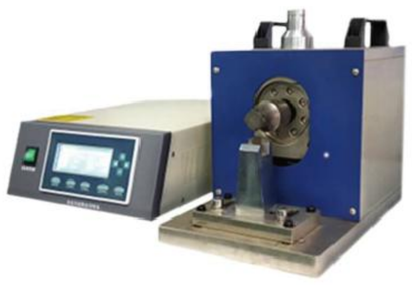
Electric Splitting Machine

08.Electrode Sheet Cross Cutting



Automatic Cross Cutting Machine

09.Welding of Tabs



Ultrasonic Metal Spot Welding Machine

10.Electrode Winding



Manual Winding Machine

11.Shell Groove



Semi-Auto Cylindrical Cell Grooving Machine

12.Cap Welding



Ultrasonic Metal Spot Welding Machine

13.Atmosphere Control



Single Sided Double Station Glove Box

14.Vacuum stabilization



Automatic Vacuum Standby Box

15.Sealing



Cylindrical Battery Sealing Machine

16.Formation



Cylinder Cell Forming Machine

17.Internal Resistance Testing



High Precision Battery Internal Resistance Instrument

18.Charge and Discharge Testing



5V6/12/15A Battery Test Equipment



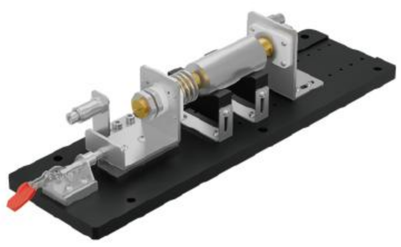
All-in-One 3C Testing System

19.High and Low Temperature Testing



High and Low Temperature Chamber

20.Accessories





Cylindrical Cell Battery Clamp

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All at **NEWARE Store**
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NEWARE Pounch Cell Battery Winding Process Solution

01.Raw Material Weighing



Electronic Precision Analytical Balance

02.Vacuum Stirring



Small Planetary Vacuum Mixer

03.Slurry Filtering



Iron Removal Filtration Machine for Slurry

04.Slurry Coating



Fully Automatic Experimental Coater

05.Vacuum Drying



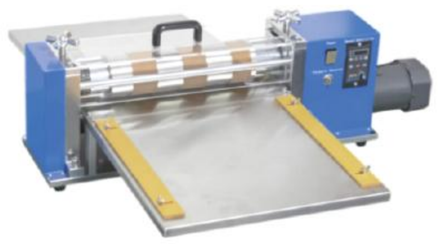
Benchtop Vacuum Drying Oven

06.Electrode Roller Pressing



Electric Vertical Roller Machine

07.Electrode Tab Cutting



Electric Splitting Machine

08.Electrode Sheet Cross Cutting



Automatic Cross Cutting Machine

09.Welding of Tabs



Ultrasonic Metal Spot Welding Machine

10.Electrode Winding



Manual Winding Machine

11.Thermal Press Forming



Thermal Press Forming Machine

12.Aluminum-Plastic Film Shell Sealing



Semi-Automatic Aluminum-Plastic Film Forming Machine

13.Top-side Sealing



Top and Side Sealing Machine

14.Atmosphere Control



Single Sided Double Station Glove Box

15.Vacuum stabilization



Automatic Vacuum Standby Box

16.Preliminary Sealing



Vacuum Preliminary Sealing Machine

17.Formation



Pouch Cell Hot Press and Formation Machine

18.Final Sealing



Secondary Vacuum Sealing Machine

19.Charge and Discharge Testing



5V6/12/15A High-Precision Battery Testing System



All-in-One 3C Testing System

20.High and Low Temperature Testing



High and Low Temperature Chamber

21.Accessories





Pouch Cell Battery Clamp

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NEWARE Pouch Cell Battery stacking process solution

01.Raw Material Weighing



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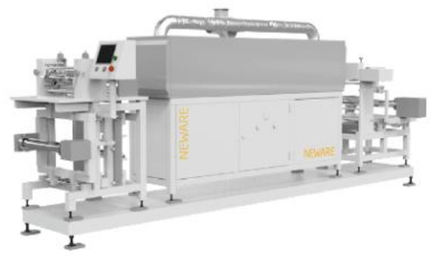
Small Planetary Vacuum Mixer

03.Slurry Filtering



Iron Removal Filtration Machine for Slurry

04.Slurry Coating



Fully Automatic Experimental Coater

05.Vacuum Drying



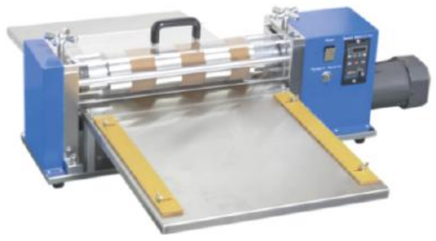
Benchtop Vacuum Drying Oven

06.Electrode Roller Pressing



Electric Vertical Roller Machine

07.Electrode Tab Cutting



Electric Splitting Machine

08.Electrode Sheet Cross Cutting



Automatic Cross Cutting Machine

09.Welding of Tabs



Ultrasonic Metal Spot Welding Machine

10.Electrode Winding



Manual Winding Machine

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Thermal Press Forming Machine

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Top and Side Sealing Machine

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Single Sided Double Station Glove Box

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Automatic Vacuum Standby Box

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Vacuum Preliminary Sealing Machine

17.Formation



Pouch Cell Hot Press and Formation Machine

18.Final Sealing



Secondary Vacuum Sealing Machine

19.Charge and Discharge Testing



5V6/12/15A High-Precision Battery Testing System



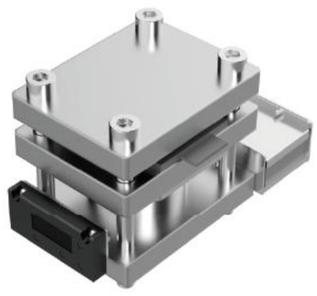
All-in-One 3C Testing System

20.High and Low Temperature Testing



High and Low Temperature Chamber

21.Accessories



Pouch Cell Battery Clamp

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01.Safety Test Equipment


Battery Drop Tester


Temperature-Controlled Battery Short-Circuit Tester


Simulation of High Altitude Low Pressure Test Chamber


Thermal Abuse Test


Battery Heavy Weight Impact Test Machine


Battery Puncture and Crush Tester

02.Temperature and Humidity Handling



Multi-temperature Zone High-Temperature Tube Furnace



Intelligent Box-Type Furnace


Freeze Dryer


Digital Constant Temperature Water Bath

03.Synthesis and Reaction Equipments


Desktop Intelligent Reactor


Optical Flow Synthesizer

04.Cleaning Equipments



Ultrasonic Cleaning Machine


Ultrapure Water Machine

05.Separation Extraction


Desktop Low-Speed Centrifuge


Vacuum Filtration Device


Rotary Evaporator

06.Liquid Treatment


Adjustable Digital Waste Liquid Reclaimer


Solvent Treatment System NMP

07.Mixing and Dispersion


Top-Mounted Stirrer


Orbital Shaker


Ball Mill

08.Pumps


Vacuum Pump


Peristaltic Pump


Oil-Free Air Compressor

*The picture is for reference only, please refer to the actual product

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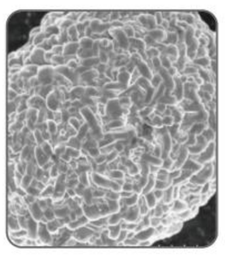
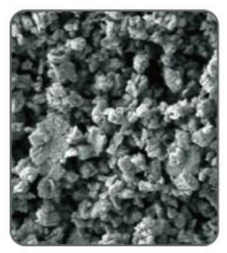
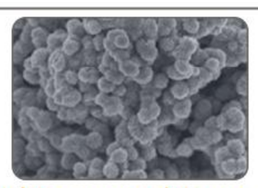
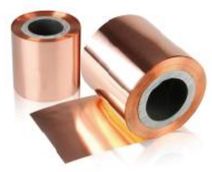
Tailored Solutions to Address Specific Needs.

Battery Materials

Materials / Research Direction	Cathode Material	Anode Materials	Electrolyte / Additives	Solid State Electrolyte
Lithium-Ion Battery Materials	 Lithium Iron Phosphate Lithium Cobaltate Lithium Nickelate Lithium Manganate Nickel Cobalt Manganese Aluminum Precursor Nickel Cobalt Aluminum Precursor Nickel Cobalt Manganese Precursor Nickel Manganese without Cobalt Precursor	 Natural Graphite Synthetic Graphite Silicon Carbon Soft Carbon Hard Carbon	 LiBOB Lithium Salt $LiPF_6$Electrolyte $LiClO_4$ Electrolyte LiTFSI Electrolyte Silicon-Carbon Electrode Electrolyte Pouch Cell High-Tempera ture/Low-Tempera ture/High-Pressure Electrolyte $NaPF_6$ Electrolyte	 LAGP LALZO LLZTO LATP PEO LiPSCl LLZO LLZNO
Sodium-Ion Battery Materials	 *Various Crystal Forms and Types Are Available: Nickel Manganese Sodium Acid Nickel Iron Manganese Sodium Acid Sodium Iron Phosphate NVPOF Cathode Material (Carbon-Coated) Sodium Vanadium Phosphate Powder Sodium Prussian Blue Cathode Material	 Soft Carbon Hard Carbon	 $NaClO_4$ Electrolyte NaTFSI Electrolyte $NaBF_4$ Electrolyte	 NASICON NPSCl
Materials for Zinc/Potassium/ Magnesium/ Aluminum Ion Batteries	Electrode materials/collectors		Electrolyte	
	Zinc Foil Aluminum Foil Manganese Dioxide Molybdenum Disulfide MXene Materials 		Zinc Ion Battery Electrolyte ($Zn(CF_3SO_3)_2$, $Zn(TFSI)_2$) Magnesium Ion Battery Electrolyte ($Mg(TFSI)_2$) Potassium Ion Battery Electrolyte (KPF_6, KCF_3SO_3, KTFSI, KFSI) Aluminum Ion Battery Electrolyte ($Al(CF_3SO_3)_3$) 	

General-Purpose Materials

Diaphragm	PP/PE/PET Membrane Glass Fiber Membrane (Whatman) Conductive Ceramic Membrane		Binder	Polyvinylidene Fluoride (PVDF) Binder Lithium Polyacrylate (PAA-Li) Binder Lithium Aluminum Alloy (LA) Cathode Adhesive Sodium Carboxymethyl Cellulose (CMC) Binder Styrene-Butadiene Rubber Latex (SBR) Anode Binder Carboxylated Styrene-Butadiene Rubber Latex Binder	
Conductive Agent	Ketjen Black Conductive Carbon Black Conductive Graphite Single-Walled Carbon Nanotubes TIMCAL Super P Li		Current Collector	Titanium Foil Copper Foam Aluminum Foil/Copper Foil Carbon-Coated Aluminum Foil/Carbon-Coated Copper Foil Microporous Aluminum Foil/Microporous Copper Foil Nickel Foil Nickel Foam Stainless Steel Foil Stainless Steel Mesh	
Battery Assembly	Button-Type (Punched) Battery Shell (304/316 Stainless Steel Material) Spring Sheet / Washer Tab Aluminum Plastic Film Electrolytic Cell In-Situ Test Cell Electrode / Electrode Clip Solid-State Battery Test Fixture	   			

*The picture is for reference only, please refer to the actual product