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TERALEADER

Company Introduction

2025. 09. 17.

Head Office / Factory
318, B-dong, 17, Techno 4-ro, Yuseong-gu, Daejeon, Korea / Tel. 82-42-368-1399 Fax 82-42-368-1398

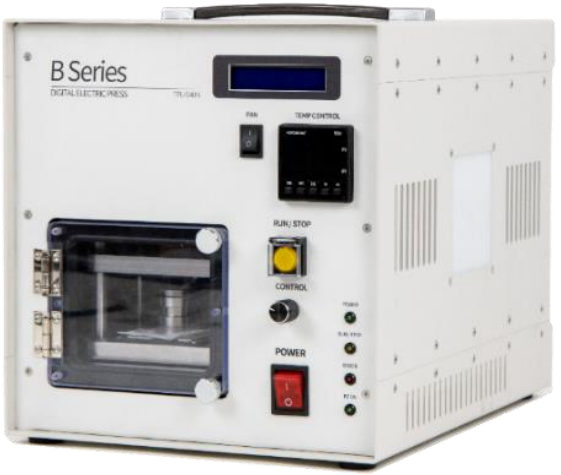
About Us

Introduction

Message to Customers

Dear Customers,

TeraLeader provides advanced research equipment for next-generation batteries and electrochemical materials. Our expertise spans from precision digital presses and cell jigs to thermal and vacuum systems for material synthesis. With reliable engineering and user-focused design, we deliver solutions that support both academic research and industrial innovation.



About Us

Introduction

Specialized in Developing Core Research Tools for Secondary Batteries and Semiconductors

- Research Equipment for Secondary Battery Evaluation and Material Synthesis
  - → Battery testing tools such as pressurized jigs and electronic presses
  - → Furnaces for material synthesis and thermal processing
- Equipment for Semiconductor Material Research and Process Evaluation
  - → CVD/ALD/RTCVD furnaces for semiconductor material synthesis
  - → Vacuum and thermal systems optimized for cleanroom environments

Corporate Certifications

[Company-Affiliated Research Institute (Korea)]

[Venture Business (Korea)]

About Us

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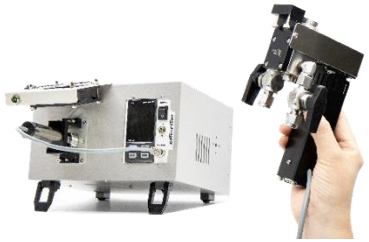
Secondary Batteries and Semiconductors



[Ampoule Furnace]

[Battery Evaluation system]

[CVD system]

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CONTACT ALIGNER
ECR / PE / RIE
CHEMICAL ETCHER
DICING SAW
SPUTTER
RTA
EVAPORATOR

LOCK-IN AMPLIFIER
ARC-THERMAL CAPACITY
TRIBO & PIEZO TESTER
THERMAL CONDUCTIVITY
MULTI CHANNEL ARRAY
POTENTIOSTAT

SPUTTER
RTCVD/PECVD
ALD/PEALD
RTA
HOT PRESS FURNACE

PROCESS SYSTEM 01

MEASUREMENT SYSTEM 02

GROWTH SYSTEM 03

About Us

Introduction

Partnerships with top universities and government-funded research institutes in Korea

Key Clients: Research Institutes and Universities

서울대학교

성균관대학교 SUNG KYUN KWAN UNIVERSITY

ETRI

POSTECH POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY

CNU 충남대학교 CHUNGNAM NATIONAL UNIVERSITY

KERI 한국전기연구원

KAIST

KIMS 재료연구소 Korea Institute of Materials Science

광주과학기술원 Gwangju Institute of Science and Technology

KITECH 한국생산기술연구원

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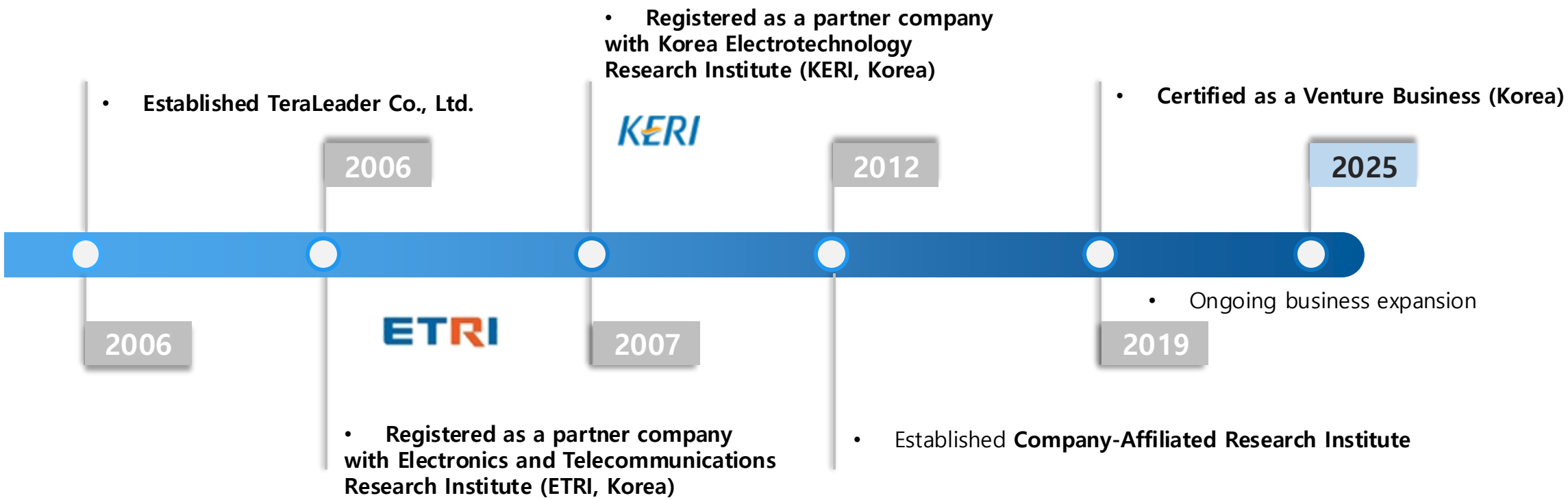
Partnerships with top universities and government-funded research institutes in Korea



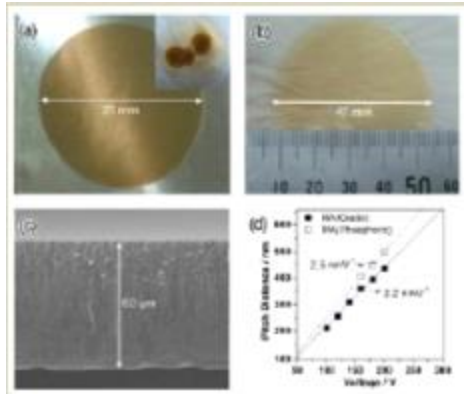
Experience in R&D and Engineering

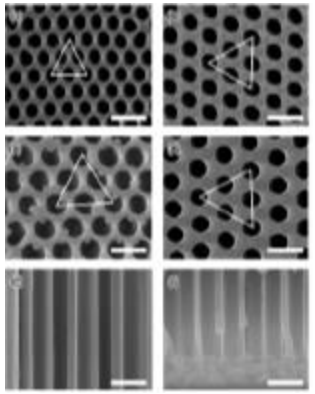
Nano & Ceramic materials(MoS_2 Thermal CVD)

- Specialized source heater
- Multi position growth
- Rapid cooling

Nano & Ceramic materials(AAO Anodizer)

- Hard Anodizer cell
- Electro chemical potentiostat





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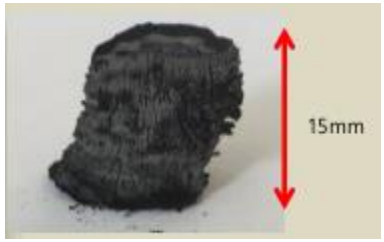
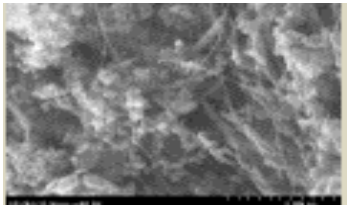
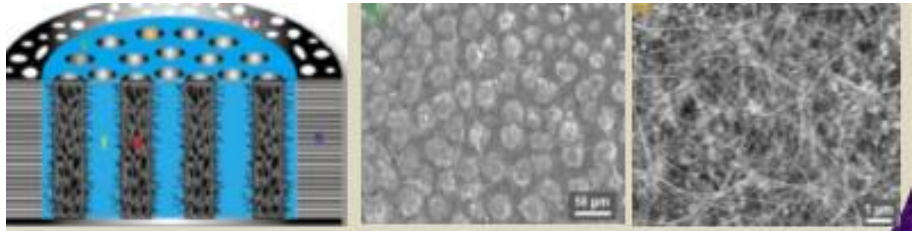
Experience in R&D and Engineering

Nano & Ceramic materials(Arc discharge system)

- Specialized power supply







Nano & Ceramic materials(ECR peald)

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Experience in R&D and Engineering

Nano & Ceramic materials(Ferroic Sputter)

- Specialized sputter source
- Compact size
- Easy control

Key Products

- Digital Press & Cell Jigs for ASSB
  - ✓ High-precision pressing and load-cell monitoring
  - ✓ Temperature & pressure simulation, glove-box compatible
- Thermal & Vacuum Systems
  - ✓ CVD/ALD/RTCVD furnaces for material synthesis
  - ✓ Modular vacuum chambers with customized design
- Smart Measurement Solutions
  - ✓ Digital press , TBS systems compatible with EC-Lab