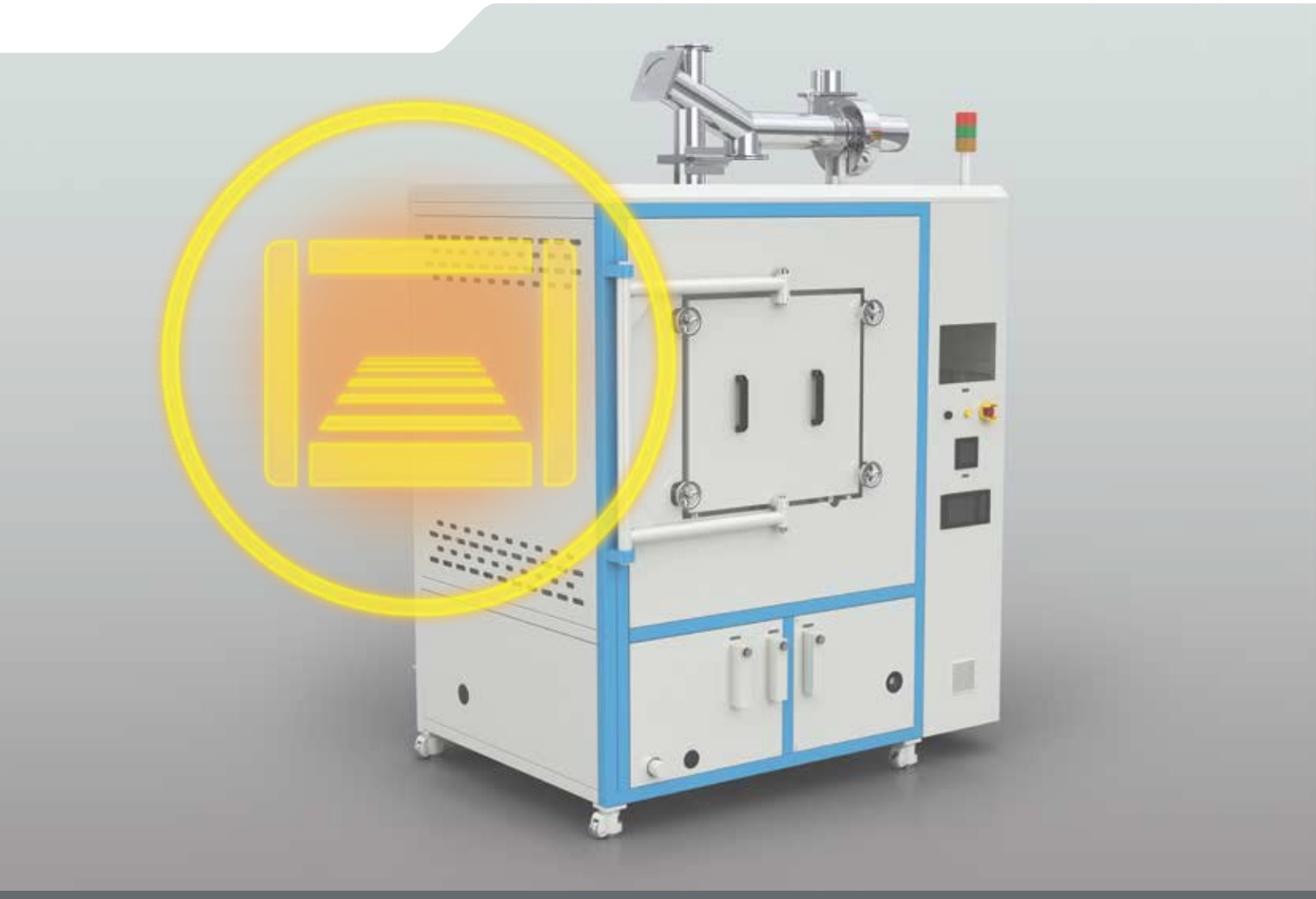
Aichelin
KILNPARTNER
battery kiln systems

Industrial Box Kiln

for Research and Small-Scale Production



Reliability at work

Aichelin

PRECISION THERMAL PROCESSING FOR ADVANCED MATERIALS

The industrial box kiln is a high-temperature thermal unit designed for lab and small-scale use. It is essential for material research, heat treatment trials, and quality testing in sectors like battery materials, new energy, ceramics, and electronics.

KEY FEATURES

- **Precision Control:** Advanced systems ensure stable, repeatable conditions.
- **Uniform Heating:** Optimized airflow and heating elements deliver consistent temperatures.
- **Compact Design:** Space-saving footprint - ideal for lab environments.
- **Flexible Settings:** Adjustable temperature ranges and heating rates.
- **Safe & Reliable:** Over-temperature protection, power failure recovery systems, and smart alarms.

APPLICATIONS

- **Battery R&D:** Sintering and calcining cathode/anode materials.
- **Metal Studies:** Annealing and hardening of small samples.
- **Ceramics & Glass:** Ceramic sintering, glass tempering, and material tests.
- **Electronics:** Heat treatment under controlled atmospheres for semiconductors and other electronic materials.

Engineered for consistency, safety, and precision, our box kilns support innovation in modern materials development.

AICHELIN GROUP: GLOBAL PRESENCE AND LOCAL EXPERTISE

Our global network ensures fast response times and local support, while understanding regional customs, regulations, and market dynamics. This allows us to tailor our products and services to meet specific needs.

A strong supply chain across multiple locations reduces the risks of local disruptions, ensuring reliable product delivery and consistent quality.

OUR SERVICES INCLUDE:

- **Comprehensive solutions from a single source**
- **Knowledge sharing and technological innovations across regions**
- **Consistent quality standards worldwide**

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