

## PRODUCT DATA SHEET

# High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite

High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite is dedicated to high-temperature purification of lithium battery anode materials and graphite products. Design temperature reference: up to 3050°C.



HUAWEI Mate60 Pro

XIMAGE  
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## OVERVIEW

### Product Overview

The High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite is used for high-temperature purification and impurity removal in lithium battery anode materials and graphite products. It is aimed at users who need stable thermal control, repeatable batch operation and process flexibility for different purity targets.

It is suitable for projects where purity level, temperature path, atmosphere control and batch repeatability are key purchasing concerns.

## MANUFACTURER

### Yuanhang Industrial Furnace

#### Customized Furnace Engineering

Supplier of customized vacuum, atmosphere, graphitization, carbonization, sintering, brazing and CVD equipment with configurable structure, hot-zone dimensions and automation packages.

#### Contact Information

Phone: +86 15115399105

Website: <https://www.hnyhgyl.com>

Location: China, Zhuzhou, Hunan

## TECHNICAL FEATURES

### Technical Features

Designed for high-temperature purification and impurity reduction.

Supports carbon and graphite materials requiring cleaner final properties.

Can be configured around batch size, target purity and process rhythm.

Focused on stable atmosphere control and repeatable thermal handling.

## APPLICATIONS

### Typical Applications

- lithium battery anode materials
- graphite products
- high-purity graphite
- carbon black / activated carbon upgrading
- high-carbon powder processing

## TECHNICAL DATA

### Technical Data Tables

TABLE 1

对比项	Graphite电阻加热炉	IGBT中频感应加热炉
最高工作温度	2600°C	3000°C - 3050°C
纯度表现 (C)	99.9% - 99.99%	≥ 99.9995% (<5ppm)
脱硼效果 (B)	常规除杂	< 0.01ppm (免氟氯工艺)
出料方式	Horizontal侧出料	Horizontal侧出 / Vertical上出料

## PRODUCT IMAGES

### Image Reference



High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite image 2



High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite image 3

## REFERENCE DATA

### Reference Information

Product

**High-Temperature Purification Furnace for High-Carbon Powder and High-Purity Graphite**

Process Type

**Purification**

Temperature Reference

**3050°C**

Manufacturer

**China | Zhuzhou Yuanhang Industrial Furnace Technology Co., Ltd.**

Website

**<https://www.hnyhgy.com>**

Contact

**+86 15115399105**

## COMPANY PROFILE

# Zhuzhou Yuanhang Industrial Furnace Technology Co., Ltd.

Manufacturer of High-Temperature Industrial Furnaces and Thermal Processing Equipment



Zhuzhou Yuanhang Industrial Furnace Technology Co., Ltd. (Yuanhang Industrial Furnace) is a manufacturing company based in China, Zhuzhou, Hunan, specializing in thermal processing equipment. Centered on heat treatment and high-temperature thermal engineering technologies, we provide customized equipment and complete process solutions for industrial and research applications.

With more than 10 years of dedicated industry experience, we have served over 100 customers. Our principal product portfolio covers graphitization furnaces, carbonization furnaces, vacuum sintering furnaces, silicon carbide sintering systems, CVD furnaces and related custom high-temperature process equipment.

Particular attention is given to practical automation. After the workpieces are loaded and the furnace door is closed, the programmed cycle can be started with one command, allowing the system to operate automatically through the defined process sequence. This helps improve repeatability and reduce dependence on operator experience.

For projects involving vacuum, ultra-high-temperature, brazing, carbonization, graphitization, sintering or CVD-related thermal processing equipment, Yuanhang Industrial Furnace can provide technical communication, configuration support and project-oriented engineering coordination.

- Graphitization and carbonization equipment for carbon materials, felt, carbon fiber and graphite products.
- Vacuum and atmosphere sintering systems for advanced ceramics, cemented carbide and refractory metals.



- Bottom-loading, multi-station and large-format CVD systems for demanding composite processing routes.
- Technical support for furnace selection, custom engineering, retrofit evaluation and process matching.

Sales Hotline

**+86 15115399105**

Technical Support

**+86 15273391550**

Website

**<https://www.hnyhgyl.com>**

Location

**China, Zhuzhou, Hunan**

This material is intended for product introduction and selection reference. Final configuration, dimensions and technical parameters are subject to the mutually confirmed technical proposal.