

## PRODUCT DATA SHEET

# Dual Parallel Vertical Cylindrical CVD Furnaces

Dual Parallel Vertical Cylindrical CVD Furnaces is configured for high-temperature CVD processing of graphite products. Design temperature reference: up to 2100°C.



## OVERVIEW

### Product Overview

The Dual Parallel Vertical Cylindrical CVD Furnaces is intended for high-temperature chemical vapor deposition and related densification processes. It is aimed at graphite products and can be arranged with multi-station, bottom-loading or large horizontal structures according to workpiece size and process continuity requirements.

For large or heavy workpieces, the system can be adapted around loading convenience, temperature uniformity and process continuity. It is aimed at customers who need dependable deposition conditions and engineering-oriented furnace structures.

## 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

Configured for deposition uniformity, hot-zone stability and workable loading structures.

Available for bottom-loading, multi-station or large-format furnace arrangements.

Suitable for densification, infiltration and high-temperature CVD processes.

Focused on engineering practicality for large or process-critical workpieces.

## APPLICATIONS

### Typical Applications

- graphite products
- CVD densification
- coating and infiltration
- composite material processing

## TECHNICAL DATA

### Technical Data Tables

TABLE 1

设备Model	YHGYL-CJL系列（尺寸规格支持定制）
Heating Method	等静压Graphite电阻加热（低压大电流控温）
温度均匀度	$\leq \pm 3^{\circ}\text{C}$ （恒温阶段）
Cold-State Ultimate Vacuum	$\leq 5\text{Pa}$
Temperature Control Accuracy	$\pm 0.1^{\circ}\text{C}$
Vacuum系统	2H-150滑阀泵 + 电容薄膜Vacuum规管反馈控制

REFERENCE DATA

## Reference Information

Product

**Dual Parallel Vertical Cylindrical CVD  
Furnaces**

Process Type

**CVD / Densification**

Temperature Reference

**2100°C**

Manufacturer

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

Website

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