

PRODUCT DATA SHEET

# Graphite Felt Carbonization Furnace

Graphite Felt Carbonization Furnace is developed for controlled carbonization of carbon fiber materials and graphite products.



OVERVIEW

## Product Overview

The Graphite Felt Carbonization Furnace is developed for staged carbonization of carbon fiber materials and graphite products. It supports process matching around loading size, atmosphere protection, heating rate and cooling strategy so that users can build a stable batch or continuous thermal route according to product structure and output rhythm.

For users working with fibers, felt, films or carbon preforms, the furnace can be matched to process rhythm, gas handling and working-zone dimensions while maintaining stable thermal ramping and practical maintenance access.

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

Supports staged carbonization with adjustable heating and atmosphere paths.

Suitable for felt, fiber, film and porous carbon precursor materials.

Configurable batch or continuous layouts according to production rhythm.

Designed for practical process stability, insulation efficiency and serviceability.

## APPLICATIONS

### Typical Applications

- carbon fiber materials
- graphite products
- precursor carbonization
- carbon felt production
- fiber and sheet processing

# Technical Data Tables

TABLE 1

型号①	装料空间尺寸	设计温度	Rated Temperature	加热电压	功率	Ultimate Vacuum度	Pressure Rise Rate	温度均匀性	装载重量
	mm	°C	°C	V	KW	Pa	pa/h	°C	KG
YH-THW-R150-150/300	□1500X1500X3000	2300	2200	50	550	20		±15	5000
YH-THW-R150-150/300	□1500X1500X3000	2300	2200	50	550	20		±15	5000
YH-THW-R250-200/400	□2500X2500X4000	2300	2200	50	1200	20		±15	10000
YH-THW-R250-250/500	□2500X2500X5000	2300	2200	50	1500	20		±15	15000
YH-THW-R180/260 ③	Φ2400X2600	2300	2200	50	400	20		±15	4000

①ModelNotes: YH: 株洲远航工业炉科技有限公司  
 TH: High TemperatureCarbonization炉  
 W: Horizontal炉  
 S: 方形炉膛  
 R: 圆形炉膛 字分别代表宽度、高度、长度、单位cm

REFERENCE DATA

## Reference Information

Product

**Graphite Felt Carbonization Furnace**

Process Type

**Carbonization**

Temperature Reference

**As defined by the confirmed technical proposal**

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.