

PRODUCT DATA SHEET

Carbon Felt / Insulation Felt Carbonization Furnace

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



OVERVIEW

Product Overview

The Carbon Felt / Insulation 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

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-R80-80/120	□800X800X1200	1650	1600	50	150	20		±10	800
YH-THW-R100-100/150	□1000X1000X1500	1650	1600	50	210	20		±10	1500
YH-THW-R130-130/200	□1300X1300X2000	1650	1600	50	300	20		±15	3000
YH-THW-R150-150/300	□1500X1500X3000	1650	1600	50	550	20		±15	5000
YH-THW-R150-150/300	□1500X1500X3000	1650	1600	50	550	20		±15	5000
YH-THW-R250-200/400	□2500X2500X4000	1650	1600	50	1200	20		±15	10000
YH-THW-R250-250/500	□2500X2500X5000	1650	1600	50	1500	20		±15	15000

PRODUCT IMAGES

Image Reference



Carbon Felt / Insulation Felt Carbonization Furnace image

2



Carbon Felt / Insulation Felt Carbonization Furnace image

3

REFERENCE DATA

Reference Information

Product

Carbon Felt / Insulation 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.