PRODUCT DATA SHEET

Vacuum Pyrolysis Furnace

Vacuum Pyrolysis Furnace is designed for stable pyrolysis of pyrolyzed carbon materials, preforms, and temperature-sensitive thermal decomposition workpieces. Design temperature reference: up to 2300°C.

OVERVIEW

Product Overview

The Vacuum Pyrolysis Furnace is designed for controlled thermal decomposition and pyrolysis of pyrolyzed carbon materials, preforms, and temperature-sensitive thermal decomposition workpieces. It supports step-by-step process matching according to product geometry, volatile release behavior and production scale.

Users can match the process around volatile release, thermal staging, working-zone size and downstream product handling requirements.

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 controlled thermal decomposition with staged temperature management.
- Can be matched to volatile release behavior and part geometry.
- Suitable for carbon precursor materials and related pyrolysis routes.
- Focused on process stability and repeatable thermal treatment logic.

APPLICATIONS

Typical Applications

- pyrolyzed carbon materials
- preforms
- temperature-sensitive thermal decomposition workpieces
- vacuum pyrolysis
- thermal decomposition

PRODUCT IMAGES

Image Reference

Vacuum Pyrolysis Furnace image 2

Vacuum Pyrolysis Furnace image 3

REFERENCE DATA

Reference Information

Product

Vacuum Pyrolysis Furnace

Process Type

Pyrolysis

Temperature Reference

2300°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