

PRODUCT DATA SHEET

Bright Annealing Furnace for 304 / 316L Stainless Steel

Bright Annealing Furnace for 304 / 316L Stainless Steel is used for bright annealing or protective-atmosphere treatment of stainless steel components.



OVERVIEW

Product Overview

The Bright Annealing Furnace for 304 / 316L Stainless Steel is used for protective-atmosphere or bright annealing of stainless steel components. The equipment is designed to support clean surface quality, controlled soaking and repeatable batch handling in workshop or production environments.

The equipment can be configured around strip, batch or component-style loading. It supports better process consistency, cleaner surfaces and easier integration into standard heat-treatment workflows.

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 bright annealing or protective-atmosphere heat treatment.

Supports cleaner surfaces, stable soaking and controlled cooling behavior.

Suitable for strip, sheet, formed parts and precision metal components.

Practical automation and loading flexibility for workshop deployment.

APPLICATIONS

Typical Applications

- stainless steel components
- bright annealing
- surface-sensitive metal heat treatment
- protective-atmosphere thermal processing

TECHNICAL DATA

Technical Data Tables

TABLE 1

参数项目	Parameter
Rated Temperature	950°C (长期稳定运行)
Temperature Control Accuracy	±0.1°C (分段PID智能调节)
炉温均匀性	±3°C 至 ±5°C (多区加热布局)
Ultimate Vacuum度	10 ⁻¹ Pa (常规) 至 10 ⁻³ Pa (高Vacuum可选)
Protective Atmosphere	N ₂ , Ar, H ₂ (流量计精准可调)
装料方式	Vertical上出料/下出料/Horizontal (按需定制)

REFERENCE DATA

Reference Information

Product

**Bright Annealing Furnace for 304 / 316L
Stainless Steel**

Process Type

Annealing

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.