

Professional  
Powder Equipment  
Manufacturer



Powder  
Equipment



Milling  
Technology



Powder  
Materials

# TENCAN

## Product Brochure



**SINTERING SERIES**

# Precision air blower dryer

**DHG**

Precision forced air dryer ensures uniform heating for strict temperature tests. Ideal for electronics, rubber, plastics, and materials.

<https://www.planetaryballmills.com/products/sintering-series/precision-air-blower-dryer.html>



## Product Overview

Precision forced air dryer ensures uniform heating for strict temperature tests. Ideal for electronics, rubber, plastics, and materials.



### Precision Forced-Air Drying Oven

Freely Adjustable Height

Microcomputer Programmable Temperature Controller

Accuracy  $\pm 1^{\circ}\text{C}$

High-Quality Steel Plate

Over-Temperature Alarm  
Overheat Protection



### Precision Forced-Air Drying Oven

Height Freely Adjustable

Microcomputer Multi-Program Temperature Controller

Accuracy  $\pm 1^{\circ}\text{C}$

High-Quality Steel Plate

Over-Temperature Alarm  
Overheat Protection





## Product Introduction

The precision blast dryer is an efficient and stable hot air circulation drying equipment, which is widely used in laboratories, industrial production and scientific research fields. Its core consists of a stainless steel liner, intelligent temperature control system, forced convection fan, heating element and multiple safety protection devices. The equipment supports a temperature range usually from room temperature to 300°C (some can reach over 500°C), the temperature control accuracy can reach  $\pm 0.1^{\circ}\text{C}$ , and precise adjustment is achieved through a microcomputer PID controller. Some models also have humidity control functions, which are suitable for handling materials that are sensitive to temperature and humidity.

*DHG Series*

# Product Details

Accuracy  $\pm 1^{\circ}\text{C}$

Height can be adjusted freely



Microcomputer Multi-program  
Temperature Controller

Equipped with tracking alarm function,  
excellent temperature-control linearity

High-quality Steel Plate  
Ensures long-term mechanical precision



- **laboratory research** : Used for sample drying, glassware sterilization, material thermal stability testing, etc.
- **Industrial manufacturing**: Used in aging testing of electronic components, dehydration of chemical raw materials, drying and curing of food baking and pharmaceutical products.
- **High-tech fields**: Serving the drying process of aerospace and new energy materials (such as graphene, carbon nanotubes).

## Technical parameters

model	DHG-9040J	DHG-9070J	DHG-9140J	DHG-9240J	DHG-9440J	DHG-9640J
Supply voltage	220V 50HZ				380V 50HZ	
temperature range	50~300°C					
temperature fluctuations	±1°C					
temperature uniformity	±1.5°C%					
Tracking alarm	+5°C					
Standard shelves	2 pieces					
Power consumption	1200W	1700W	2200W	2700W	4000W	5000W
Studio size (mm)	350*350*350	450*350*450	550*450*550	600*500*750	700*650*900	800*800*1000
Overall dimensions (mm)	540*500*750	640*500*850	740*600*950	790*650*1210	890*800*1360	990*950*1460

## Working Principle

- **Heating and circulation** : The electric heating element (nickel-chromium alloy or quartz tube) generates heat, and the high-temperature-resistant fan forces the hot air to be evenly distributed to the working room to form horizontal or vertical convection.
- **Humidity control**: The evaporated moisture is discharged through air circulation. Some models feedback signals through the humidity sensor, and the control system dynamically adjusts the heating power to maintain the set humidity.
- **closed loop control**: Monitor the temperature in real time and adjust the heating power. It will automatically enter the constant temperature state after reaching the set value. Some high-end models support programmed temperature gradient control.

## Accessories & Customization

### Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.