

Professional
Powder Equipment
Manufacturer



Powder
Equipment



Milling
Technology



Powder
Materials

TENCAN

Product Brochure



SINTERING SERIES

Desktop air blower dryer

DHG

Desktop hot air oven for lab & industrial drying, baking, and sterilization. Features PID control, stainless chamber, and precise uniformity.

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



Product Overview

Desktop hot air oven for lab & industrial drying, baking, and sterilization. Features PID control, stainless chamber, and precise uniformity.



Benchtop Forced-Air Drying Oven

Intelligent Temperature Control

Forced Hot Air Circulation

304 Stainless Steel Mirror Interior

Excellent Temperature Control Linearity
Peripheral Radiant Heating



Benchtop Forced-Air Drying Oven

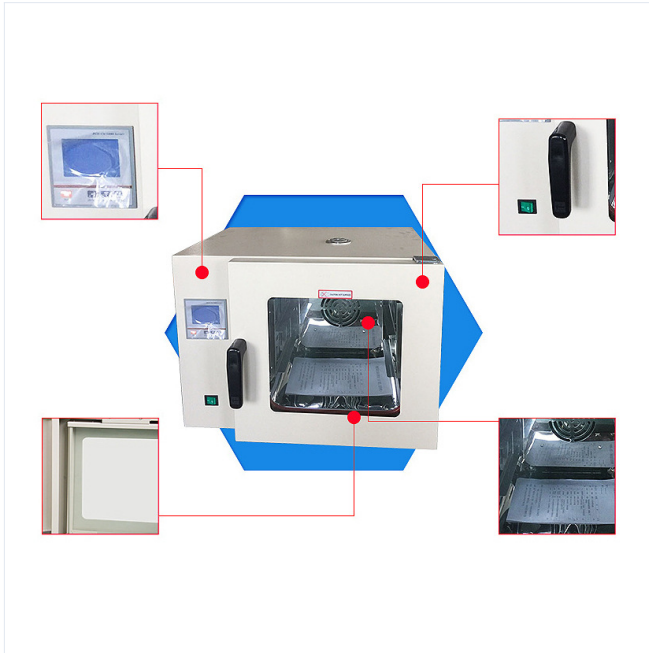
Intelligent Temperature Control

Hot-Air Circulation

304 Stainless Steel Mirror Panel

Excellent Temperature Control Linearity
Peripheral Radiant Heating





Product Introduction

It is used by industrial and mining enterprises, laboratories, scientific research institutions, etc. for drying, baking and melting wax. This electric blast drying oven is made of mirror stainless steel or high-quality galvanized steel plate studio, with a plastic-sprayed outer shell and a double-layer tempered glass observation window, which has a beautiful and novel appearance. Computer intelligent temperature control, overheating protection, time setting, good temperature control linearity, small fluctuations. It has tracking alarm function and stirred hot air circulation, with small heat loss.

- **Laboratory applications** : Used for drying glassware, dehydrating experimental samples, drying chemical reagents and sterilizing biological equipment.
- **industrial production**: Suitable for aging testing of electronic components, food baking, drying of chemical raw materials, etc.
- **Medical and scientific research**: Instrument sterilization, wax melting treatment and material thermal stability testing.

Technical parameters

model	DHG-9013A(S)	DHG-9023A(S)	DHG-9053A(S)	DHG-9123A(S)	DHG-9203A(S)
Supply voltage	220V 50HZ				
temperature range	50~200°C				
temperature fluctuations	±1°C				
Tracking alarm	+5°C				
Standard shelves	2 pieces				
Power consumption	500W	700W	900W	1500W	2000W
Studio size (mm)	250*250*250	300*300*275	415*370*345	555*370*525	600*550*600
Overall dimensions (mm)	530*406*390	580*456*415	695*526*485	835*526*665	880*706*740

- **Industrial industry** : Used for drying and aging of electronic components , as well as drying and heat treatment of materials research and development, chemical products, etc. □
- **Laboratories and Research Institutions** : Drying of glassware, heat treatment of experimental samples, moisture removal □
- **Biomedicine and food fields** : Dry heat sterilization of utensils and utensils (pay attention to the non-explosive, flammable and non-volatile properties of the items) □
- **other** : Such as drying, baking, wax melting, sterilization, etc. in industrial and mining enterprises, colleges and universities, scientific research units, etc.

Working Principle

- **heating system** : Electric heater (nickel-chromium alloy or quartz tube) converts electrical energy into heat energy.
- **air circulation**: The fan forces the hot air to evenly distribute to the working room through the air duct, forming horizontal or vertical convection.
- **Humidity control**: Moisture is discharged through the vents, and some models support humidity adjustment or dehumidification functions.
- **Temperature control closed loop**: The sensor monitors the temperature in real time, and the PID controller dynamically adjusts the heating power to maintain the set temperature.

The desktop blast dryer mainly heats the air through the internal electric heater, and the fan drives the hot air to form a forced circulation airflow in the box. . This results in a more uniform temperature within the workroom , the sample is heated more consistently. The circulating hot air can accelerate the evaporation of moisture inside the object, thereby achieving a drying effect.

Product Features

Modern tabletop blast dryers typically have the following features:

Precise temperature control system : Mostly used **Microcomputer PID control** , accurate temperature control, easy to operate, some models also support **Programmable multi-stage temperature control** □

Excellent materials and design : Mostly used for liner **Mirror stainless steel** , corrosion-resistant and easy to clean; The shell is usually made of high-quality cold-rolled steel plate and electrostatically sprayed on the surface. □ **horizontal forced convection** Way

And the unique air duct design helps ensure uniform temperature inside the box.

Safety and convenience : Usually available **Over temperature protection** □ **Timing function** wait. Double-layer tempered glass observation window , height-adjustable shelves The design also increases the convenience of use.

Various model choices : The volume is covered from the smaller 20L to the larger 200L or more, and the temperature range is generally within **Room temperature +10°C to 300°C or even higher** , to meet the needs of different users.

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.