

# Igbt Experimental Graphitization Furnace

Item Number: GF-02



## Introduction

IGBT experimental graphitization furnace, a tailored solution for universities and research institutions, with high heating efficiency, user-friendliness, and precise temperature control.

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| Product model specifications   | GF-02- $\Phi$ 10 $\times$ 15  | GF-02- $\Phi$ 20 $\times$ 30 | GF-02- $\Phi$ 30 $\times$ 40 |
|--------------------------------|---|------------------------------|------------------------------|
| Volume(L)                      | 1.1   | 10                           | 28                           |
| Limit temperature(C)           | 3100  | 3100                         | 3100                         |
| Effective heating area (mm)    | $\Phi$ 100 $\times$ 150   | $\Phi$ 200 $\times$ 300      | $\Phi$ 300 $\times$ 400      |
| Power(KW)                      | 30  | 50                           | 80                           |
| Frequency(HZ)                  | 4000  | 2500                         | 2500                         |
| Temperature control method     | Japan Shima Electric Thermostat   |                              |                              |
| Heating method                 | Induction heating   |                              |                              |
| Vacuum system                  | Rotary vane vacuum pump (for high vacuum requirements, Roots vacuum pump and oil diffusion pump are required) |                              |                              |
| Sintering atmosphere           | N <sub>2</sub> , Ar   |                              |                              |
| Rated power supply voltage (V) | 380   |                              |                              |
| Rated heating voltage (V)      | According to the design determination, configure the transformer  |                              |                              |
| Vacuum limit (Pa)              | 100 (vacuum cold state)   |                              |                              |