

# Bottom Lifting Furnace

Item Number: KT-BL



## Introduction

Efficiently produce batches with excellent temperature uniformity using our Bottom Lifting Furnace. Features two electric lifting stages and advanced temperature control up to 1600°C.

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|                                              |                                       |                   |                      |
|----------------------------------------------|---------------------------------------|-------------------|----------------------|
| <b>Furnace model</b>                         | <b>KT-BL</b>                          |                   |                      |
| Working temperature range                    | 1100/1300/1600°C                      |                   |                      |
| Chamber material                             | Al2O3 polycrystalline fiber           |                   |                      |
| Heating element                              | Silicon Carbide/Molybdenum Disilicide |                   |                      |
| Heating rate                                 | 0-20°C/min                            |                   |                      |
| Temperature sensor                           | K/S/B type thermal couple             |                   |                      |
| Temperature controller                       | Touch screen PID controller           |                   |                      |
| Temperature control accuracy                 | ±1°C                                  |                   |                      |
| Temperature uniformity                       | ±5°C                                  |                   |                      |
| Electric power supply                        | AC110-220V,50/60HZ                    |                   |                      |
| <b>Standard Chamber Sizes Stocks</b>         |                                       |                   |                      |
| Chamber size (mm)                            | Effective volume (L)                  | Chamber size (mm) | Effective volume (L) |
| 200x200x300                                  | 12                                    | 400x400x500       | 80                   |
| 300x300x300                                  | 27                                    | 500x500x500       | 125                  |
| 300x400x300                                  | 36                                    | 600x600x600       | 216                  |
| 400x400x400                                  | 64                                    | 800x800x800       | 512                  |
| Customer design sizes and volume is accepted |                                       |                   |                      |

| No. | Description          | Quantity |
|-----|----------------------|----------|
| 1   | Furnace              | 1        |
| 2   | Thermal block        | 1        |
| 3   | Crucible tong        | 1        |
| 4   | Heat resistant glove | 1        |
| 5   | Operation manual     | 1        |