

ZT-ZKHJ180 Vacuum Brazing Machine



ZT-ZKHJ180 is excellent for brazing ultra-hard materials (PCD/PCBN/MD/ND/CVD), tungsten carbide, ceramics, etc. It is fully automatic and easy to operate at high efficiency.

Materials: Natural Diamond, Mono Crystal Diamond, PCD, PCBN, CVD and Cermet.

Substrate Materials: Cermet, Tungsten Carbide, Steel, Stainless Steel, Steel Alloy, Ceramics, etc.

Design Features:

- PLC control, SCR heating, touch panel, automatic running after simple setting.
- No oxidation, clean surface and environment-friendly.
- Brazing quantity is more than 500 pcs (CNGA1204), reducing total cost.
- The machine is fully automatic, once loaded, the cycle time is approximately 70-120 minutes.
- Reduction of distortion, even a very small tool insert can be brazed.
- Brazing strength is 2 times higher than induction welding.
- Advanced quartz stone for table-board, high temperature resistance.





Technical Parameters:

Dimension	1600*950*900mm (L*W*H)
Power Supply	380V-3 Phases-5 Wires 50Hz
Power Rating	20kW
Chamber	Quartz Glass Tube
Chamber Size	φ180*500(L)*4(T) mm
Max Temperature	950°C
Max Vacuum Rate	10 ⁻⁶ Torr (10 ⁻⁴ Pa)
Brazing Vacuum Rate	10 ⁻⁵ Torr (10 ⁻³ Pa)
Heating Source	18pcs Halogen Tubes
Chilling	Water Cooling
Brazing Process	<ol style="list-style-type: none"> 1. Cleaning 2. Fixing Flux 3. Drying: 30mins at 200°C 4. Brazing