



Application:

Furnace makes use of graphite, molybdenum or tungsten wire as its heater. It is mainly used to sinter the metal also to do the hot powder, inorganic non-metallic material under the condition of vacuum, high temperature and hot pressing, pressing sintering under the protective atmosphere, which are helpful to complete the dense sintering and prevent its deformation, also can restrain nonameter powder grain from becoming thick and big.

Features:

1. Double shell structure with the water cooling jacket, inner shell is stainless steel with the fine polishing. Outer shell is high quality carbon steel with the anti-rust treatment or stainless steel with the mat sand blasting treatment.
2. Heating element adopts graphite or molybdenum wire. The heating is divided into 1-phase or 3-phase heating. The rational design of heating element helpful to improve the uniformity of temperature inside the chamber.
3. Easy to operate the furnace via electrical control system. Temperature and pressure are controlled through PLC analog, or use temperature and pressure programmable program controller to automatically complete the process of sintering. Control system possesses alarm and protective functions of water interruption, over-temperature and over-current etc.

Main parameters:

Model	Rated Power	Rated Temperature	Working Size	Ultimate Vacuum	Max. Pressure	Punch Displacement
ZT-25-20Y	25KW	2000℃	Ø90X120mm	10 ⁻³ Pa	10T	100mm
ZT-40-21Y	40KW	2100℃	Ø160X160mm	10 ⁻³ Pa	20T	100mm
ZM-30-16Y	30KW	1600℃	Ø150X200mm	10 ⁻³ Pa	20T	150mm
ZM-18-10Y	18KW	1000℃	Ø200X200mm	10 ⁻³ Pa	20T	150mm



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Model	Rated Power	Rated Temperature	Working Size	Ultimate Vacuum	Max. Pressure	Punch Displacement
ZT-63-20Y	63KW	2000℃	Ø250X250mm	10 ⁻⁴ Pa	150T	100mm
ZT-50-22Y	50KW	2200℃	Ø150X180mm	10 ⁻³ Pa	200T	120mm
ZT-150-26Y	150KW	2600℃	Ø300X300mm	10Pa	300T	150mm
ZT-360-22Y	360KW	2200℃	Ø600X600mm	10Pa	400T	200mm