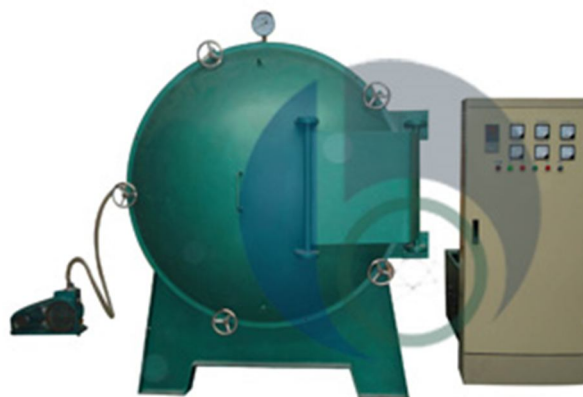


Vacuum Furnace

Vacuum Furnaces and **brazing furnaces** by Bionics Scientific are engineered for high temperature laboratory and industrial heat treatment applications including sintering, brazing, stress-relieving and annealing etc. From aerospace, tool room, powder and metal companies to gas turbine industry, our vacuum furnace units meet most demanding needs of production and research departments.



Our vacuum furnaces are **horizontal and front loading** in nature and manufactured to confirm AMS 2750D/BS 5500 Cat 3 British Pressure Vessel standards. The standard units are manufactured with maximum temperature range from **1200°C to 1600°C**. Temperature is controlled by 30 segment PID controller, which ensures excellent level of temperature accuracy and reliability. The horizontal vacuum chamber is double walled constructed with provision of water cooling keeping your samples safe from any unwanted conditions.

Being India's leading Vacuum Furnace manufacturers and suppliers, we also offer **custom designed vacuum furnaces**. These are horizontal laboratory units and are customized for specialized processing needs. We bring our expertise in designing, construction and installation at your site. These units are also exported to various African and Middle East countries at highly competitive price.

Features:

1200°C to 1600°C max. temperature	Double shell construction with water cooling
Customizable chamber size	Programmable PID temperature controller
ASME standard construction	Heat resistant painted outer chamber
Excellent thermal insulation	Built-in safety mechanism
Uniform temperature distribution	Meet diversified heat treatment needs

Vacuum Furnace Technical Specifications:

Model	BST/VF-1200N	BST/VF-1400S	BST/VF-1600M
Max. Temperature	1200°C	1400°C	1600°C
Working Temperature	1100°C	1300°C	1500°C
Heating rate	≤20°C/min	≤15°C/min	≤15°C/min
Temperature Accuracy	±1°C	±1°C	±1°C
Temp. Control	30 Segments PID Control	30 Segments PID Control	30 Segments PID Control
Heating Element	Fe-Cr-Al-Mo wire	SiC heater	MoSi2 Heater

Max. Vacuum	10Pa	10Pa	10Pa
Furnace Structure	Double shell w/ Water cooling	Double shell w/ Water cooling	Double shell w/ Water cooling
Accessories	<ul style="list-style-type: none"> - Over temperature protection - Vacuum system - Gas quenching system - Data recorder (optional) 		