

High Temperature (800°C to 1800°C) Muffle Furnace



Bionics Scientific is a Delhi based India's leading **manufacturer of muffle furnaces for laboratory use** with **temperature range 800°C to 1800°C**. As required, we provide both readymade (ready stock) and **customized muffle furnace systems** to our customers worldwide. These **laboratory muffle furnace** units are utilized in general purpose heating in laboratories, ashing tests on wool, rubber, fibers or fabrics, heat treatment requirements for gears and various research facilities in chemistry and physics.

Muffle Furnace Applications:

Ignition tests	Gravimetric analysis
Heat treating steel parts and Gears	Heat treating Gears
Coal sampling	Quench testing
Organic and inorganic ashing	Research facilities in chemistry
Chemical analysis	Annealing loss determination
soils & aggregates cement Testing	Development of coatings and ceramics
Glass blowing lab	Rice laboratory
Plastic tensile strength test	Stoneware samples firing

Features:

Sturdy construction for long term use	Compact in design and space saving
Available with 800°C to 1800°C temperature	Safe and trouble free performance
Microprocessor PID controller	Over temperature and short circuit breaker
High ceramic fiber blanket and board insulation	Ventilation or chimney at the back

Only branded heating elements are used	Uniform heating inside chamber
CE and ISO marked	Comply to DIN and ASTM standards

Temperature Range:

To meet unique needs of every application, our muffle furnaces or box furnaces are available in temperature range from **800°C to 1400°C (800°C, 1100°C, 1200°C and 1400°C)**, in addition, we also design and manufacture high temperature muffle furnace up to **1800°C (1500°C, 1600°C, 1700°C, and 1800°C)**

Usability & Performance:

Usability is one of the major factors that one should look into while buying muffle furnace and with Bionics® Muffle Furnace systems you experience unmatched convenient working performance. All our electric muffle furnaces feature rust and corrosion free stainless steel housing, compact and light weight construction and branded heating elements and programmable PID controller, ensure safe operation every time.

Safety Features:

These muffle furnaces are microprocessor controlled programmable muffle furnaces that offer easy and safe operation even at high temperature. These systems are designed with your safety in mind. Multi-layered insulation keeps external surfaces (cabinet) cool to the touch. Door safety switch (optional accessory) stops power to heating elements when door is opened.