

## Chamber Furnaces Dental MoS Series

MOS 160/1



Dental MoS series have been used as trusted professional chamber furnaces for many years in dental laboratories. Available with brick and fiber insulation elements, with a wide variety of options, these models can be optimally used for high temperature procedures.

Standard Dental MoS series furnaces cover a range of temperatures up to 1600°C, all of which have front loading for easy operation and double skin construction to maintain a cooler outer case.

Important advantage of the model is that element change is very easy and economic. Furnaces use high quality Molybdenum Disilicide heating elements, providing a very long service life.

Galvanized coating covered epoxy painted structure, providing longer life time and aesthetics.

Typical applications for the product is almost all high temperature applications where high level of precision is required; high temperature sintering processes such as Ceramic, Dental and Material Research.

### System Features

- ✓ Vertical counter balanced door
- ✓ Standard door safety switch
- ✓ Customized controller option
- ✓ High-quality fiber material
- ✓ High level temperature uniformity
- ✓ Bottom protection, alumina plates on the floor
- ✓ Standard brick design on the outer skirts of the door and the furnace opening providing protection from possible unwanted damages during loading and unloading.
- ✓ Table top and Self-Standing design
- ✓ High quality heating elements ensuring a long service life
- ✓ System operation with solid-state-relays
- ✓ Short heating times
- ✓ Electrical protection
- ✓ Working Temperatures of up to 1600 °C
- ✓ Dual skin housing for low external temperatures and high inner temperature stability
- ✓ Easy replacement of heating elements
- ✓ Intuitive controller user interface

### MoS Series, Table Top Model Information

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Inner Dimensions HxWxD (cm)	Inner Volume (liters)	External Dimensions HxWxD (cm)	Approximate Power (kW)	Phase	Supply Voltage (V)
MoS-B 150/1	1550	1500	12x12x9	1.3	71x51x47	1.5	1	220
MoS-B 150/2	1550	1500	14x12x15	2.5	77x51x51	3.3	1	220
MoS-B 160/1	1600	1550	12x12x9	1.3	71x51x47	1.5	1	220
MoS-B 160/2	1600	1550	14x12x15	2.5	77x51x51	3.3	1	220

\*For system accessories please check the accessory page for furnaces.

### Optional Features

- ✓ Over-temperature limiter for thermal protection
- ✓ Adjustable air intake opening in the furnace door
- ✓ Exhaust air opening on the furnace roof
- ✓ Observation hole enabling the operator observe the load during the operation
- ✓ Data logger with the software
- ✓ RS422/485 communication
- ✓ Cooling Fan for faster cooling processes
- ✓ Jet Fan for faster exhaust of gases
- ✓ Quartz element protection for heating elements
- ✓ Protective gas system and connection

\*For your inquiries and questions please contact us  
**Web:** [www.prothermfurnaces.com](http://www.prothermfurnaces.com)  
**Email:** [info@prothermfurnaces.com](mailto:info@prothermfurnaces.com)  
**Phone:** +90 312 257 1331