

# Laboratory Furnace (+1500°C)

Serving the Scientific, Medical and Research industries since 1945

**LABEC**

## LABEC +1500°C Laboratory Furnaces

are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. The double skinned construction with fan cooling exterior keeps the exterior body cool at high temperatures and provides excellent stability.

The furnace features light weight ceramic fibre insulation for rapid thermal cycling and heating by silicon carbide electric elements which allow for rapid heating and cooling and provide a superior element life. The furnace features a rear vent port for natural venting or gas purging.

The door is firmly held closed with adjustable side locking latch and has a safety cut off when the door is opened during operation.

## Controller

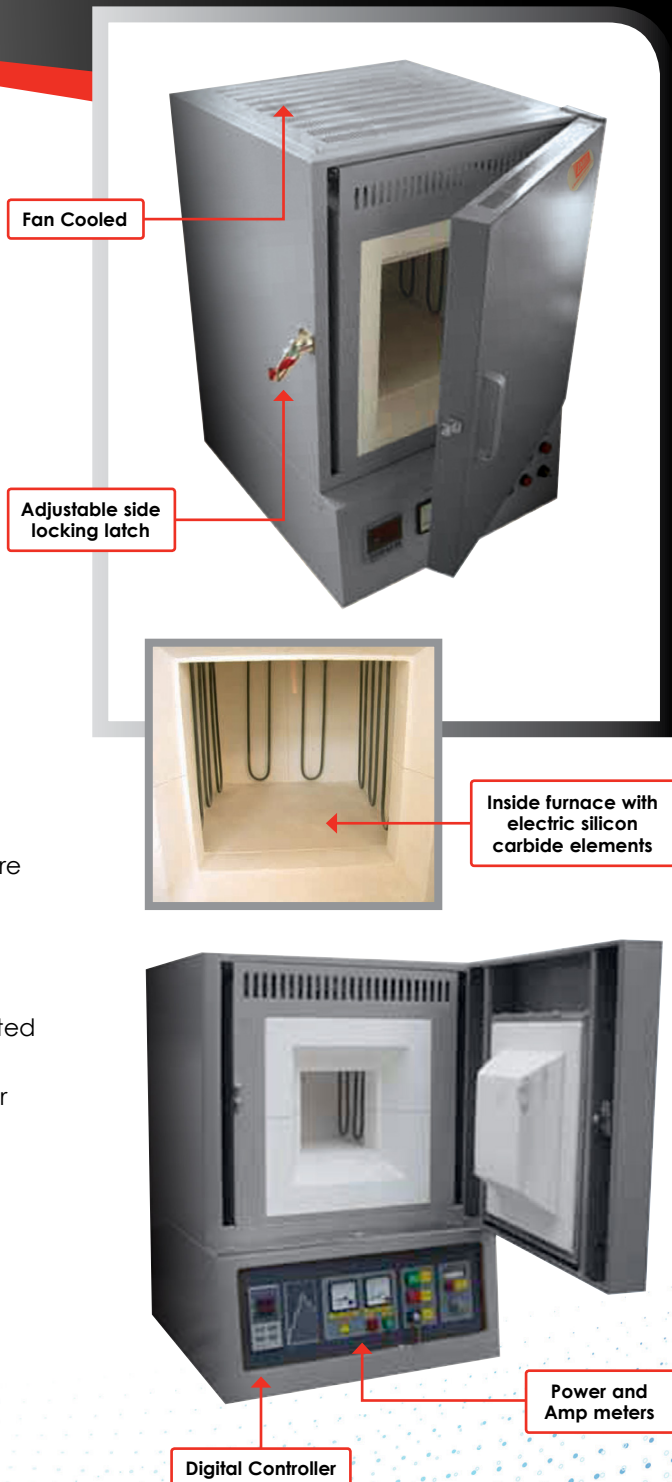
A digital microprocessor based PID temperature controller controls the temperature within the range +300°C to +1500°C.

## Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

## Additional options

To suit your requirements the addition of options such as programmable controllers, timers and access ports are also available.



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## SPECIFICATIONS

# Laboratory Furnace (+1500°C)

Model	CEMMS	CEMMM	CEMML
Capacity (litres)	4 litres	7 litres	15 litres
Int. Dim. (mm) WxHxD	150 x 150 x 150	150 x 150 x 300	250 x 200 x 300
Ext. Dim. (mm) WxHxD	800 x 470 x 400	800 x 470 x 500	900 x 520 x 500
Temp. Min	300°C		
Temp. Max	1500°C		
Temp. Controller	Digital PID Controller		
Temp. Setting Accuracy	1°C		
Temp. Fluctuation	+/- 1%		
Temp. Sensor	Type B		
Heating System	Electric Silicon Carbide Elements		
Interior Material	Ceramic Lined		
Exterior Material	Stainless Steel		
Options	Programmable controllers, timers, access ports. Safety lift up door, cantilever door, higher temperature models available.		
Safety Features	Over temperature safety controller, earth leakage breaker (ELB).		
Power Supply	240V		
Power	32 AMPS		
Weight (kg)	60	80	90

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