



# Furnace Technologies Pty Ltd

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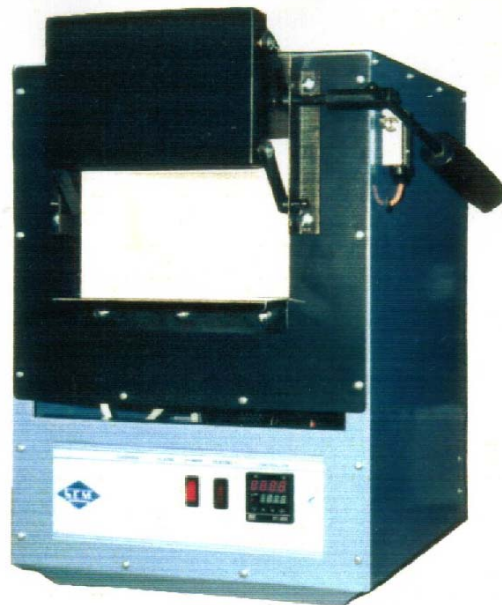
<http://www.furnace-technologies.com.au>

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## Muffle Furnace

### Muffle Furnace 1150°C

Muffle Furnaces are available in two sizes, 100 series and 200 series. Both sizes can be supplied with either sliding or cantilever type door. The quick action sliding door can be held in any position and is ideal for ashing or similar operations. A cantilever door has an outward and upward swing with a counter-balanced handle.



#### Construction

The furnaces are strongly constructed of zinc coated steel powder coated Wedgewood blue with Hi Temp black front face and door. The muffle is strongly supported by a refractory mould at the front and insulating bricks at the back. It is insulated with top grade Kaowool ceramic fibre blanket. The steel cover around the muffle is surrounded by an air cavity and by gravity convection draws heat away from the bottom and out through the top reducing the wall temperature of the outer body. An air gap at the front and louvres on back panel allow adequate airflow to ensure a cool instrument panel. All cantilever door furnaces are fitted with a door switch for safety.

Kanthal Al Element is controlled by a microprocessor based PID Controller complete with Auto Tune function and sensor compensation for accurate temperature control.



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## Options:

- \* 7 Day or 24 Hour Timer
- \* Programmable Controller (up to 81 steps)
- \* Ramp Function
- \* Over temperature Cutout (complete with Alarm Indicator)
- \* Monitory Overheat Cutout (separate Controller & Thermocouple)

	<b>100 Series</b>	<b>150 Series</b>	<b>200 Series</b>
<b>Power Ratings</b>	2200 W	3600 W	4500 W
<b>Catalogue No.</b>	102C (Cantilever Door)	150C (Cantilever Door)	202C (Cantilever Door)
	102S (Sliding Door)	152S (Sliding Door)	202S (Sliding Door)
<b>Dimensions (mm)</b>	External 456D x 468W x 560H	External 500 x 470 x 610 H	External 608D x 546W x 630H
	Internal 250D x 160W x 90 H	Internal 290 x 170 x 135 H	Internal 435D x 230W x 150H
<b>Weight (Kg)</b>	50	60	70

Volatile Matter Furnaces and Coal Testing Furnaces made to B.S. and A. K. Specifications.