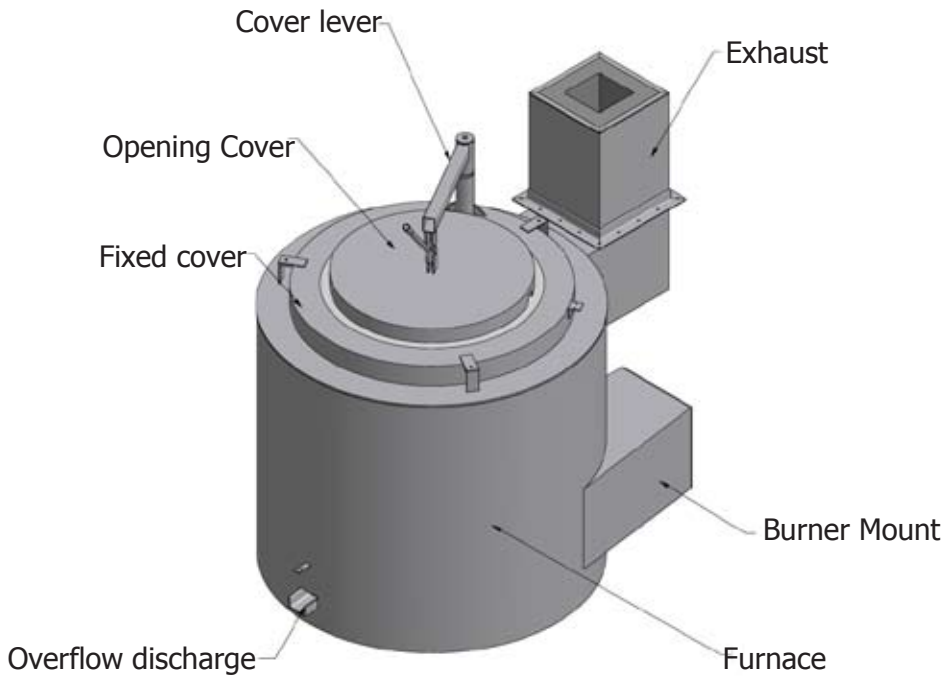


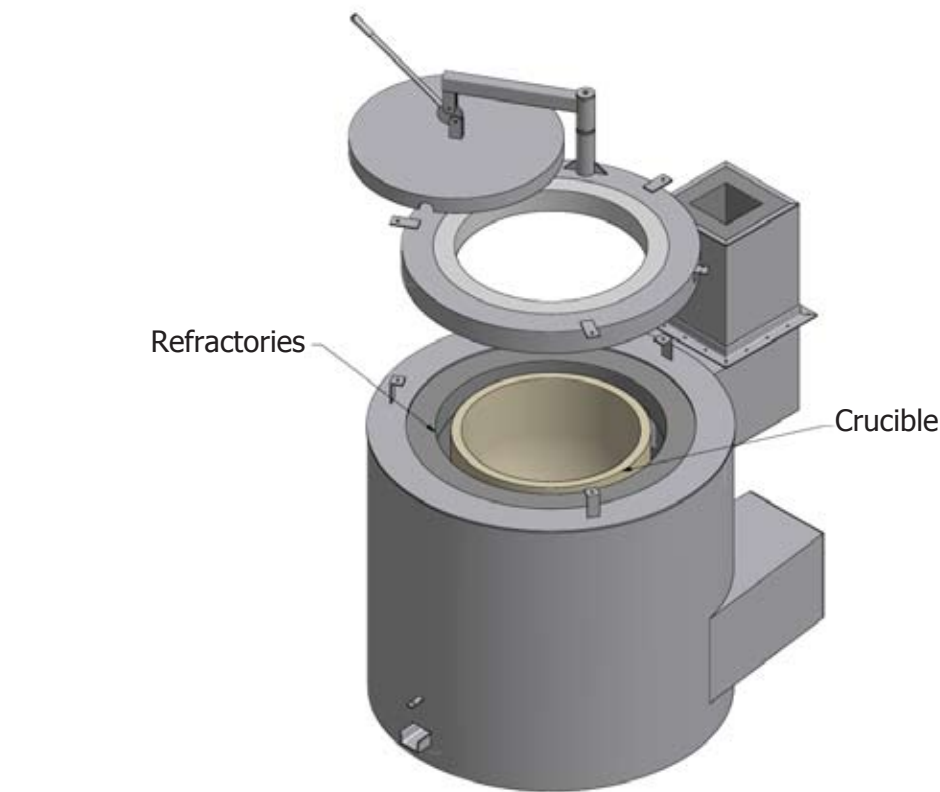
# Oil Fired Crucible Furnace, for Melting and Holding Aluminium Model CFD-500



Other Furnace Products



Auto Pouring Machine



Central Melter



Diecasting Furnace

**Low Energy Consumption**

**Minimum Floor Space**

**Exceptional Thermal Efficiency**

**Reduced operator fatigue results from cooler shell and relatively quiet operation**

**No energy wasted during non-productive hours**

**can be emptied and turned off**

**Less scrap and less melt loss due to minimizing of temperature overshoot**



Aluminium Melting & Holding Furnace

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# Oil Fired Crucible Furnace

The oil fired crucible bale out furnaces of the CFD series are characterized by their high melting performance. They are perfectly suited for the melting of aluminum and other nonferrous alloys. The use of high-quality insulation materials results in very low power requirements.

- Stationary crucible furnace, capacity 500 kg aluminium.  
For melting aluminum UBC and chips.  
Model No: CFD-500
- The steel casing is made of rugged steel plate reinforced with structural steel sections.
- Furnace lining lined with mineral fibreboard material on the cold face and refractory castables/bricks anchored back to the wall.
- Furnace lid are high alumina castable, backed with refractory insulation.
- Chamber size is large enough to accommodate crucible , with tangent fired burner and lid exhaust opening.
- Attainable combustion chamber temperatures to 1100° C; nominal 1,200,000 BTU /hr with Diesel Fuel.
- Furnished with refractory crucible rest block rated to 1600 ° C.
- UV ultra violet combustion system, consisting of an automatic spark ignition with blower air switch and continuous flame monitoring.
- Provides furnace shutdown in event of air blower failure, flame or power failure.
- Burner control is achieved automatically by means of a thermocouple temperature monitoring system that controls the ON/ OFF firing mode.
- Thermocouple protection tube is of high quality Silicon Nitride grade.
- An overflow discharge channel and a leak detector is provided in case of aluminium flow within the furnace due to breakage of crucible during melting operation.



## Additional Equipment

- Insulated connection piece for side exhaust gas discharge to connect exhaust ductwork
- Exhaust gas collection hood for furnaces with exhaust gas discharge over the crucible edge.
- Modulating burner with precise temperature control for optimum quality of the melt in holding mode.
- Bath control with thermocouples in the furnace chamber and in the melt. The furnace temperature is controlled through the melt. Temperature overshoots are reduced, thus the quality of the melt is improved

Model	Max Temp	Aluminium Capacity	Exterior dimensions in mm			Weight	Melting Performance
	°C		kg	W	D		
CFD 500	1100	500	1400	1400	1210	1200	150

For additional information on CMTS's products and services, please visit :

[www.cmtsproduct.com](http://www.cmtsproduct.com)