

HYDRAULIC TILTING CRUCIBLE MELTING FURNACE

CMTS non-ferrous melting furnaces are ideal for melt-down, remelt and hot – charge into holding furnaces for permanent mold or die casting. They're also excellent when used for melting and pouring directly into transfer for sand casting.

FEATURES

- Long flame packaged burner with sliding door
- Hydraulic Tilt mechanism with manual lever control
- Continuous firing during pouring
- Low pressure combustion air blower
- Electronic flame supervision

BENEFITS

- Fast melting
- Saves energy
- Long-life refractory
- Simple quiet operation
- Crucible Easily Charged



UQ INDUSTRIES SDN BHD (ISO 9001 : 2008 Certified Company)

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General Construction

Shell is made of heavy gauge steel mounted on roller bearing trunnions supported by structural steel legs. Steel reinforcing bars are welded to the furnace bottom for added strength.

Tilting movement will be achieved through a single acting hydraulic cylinder located on one side of the furnace. The tilting movement shall be performed around a pivot point. All necessary safety controls and interlocking valves are included in the hydraulic system to provide for safe operation and control

Burner equipment is integrated into the furnace shell and swings with the furnace. This allows firing to continue at any angle during the pouring operation.

The burner location provides necessary combustion space at the bottom of the furnace and insures uniform heating of crucible or pot. The burner is also set tangentially to the inside furnace lining to fire in a spiral motion for even great uniformity.

Maximum efficiency in a single burner furnace is obtained through the use of a special long-flame, "packaged" burner unit. It can be used with diesel oil. Options are available to use either propane or natural gas fuel. All spent combustion gases are routed through a flue at the rear of the furnace.

Spark-ignited pilot, automatic flame supervision and self-contained combustion air blower are all standard.

Refractory lining is energy efficient, long-life. A crucible rest and recessed refractory cover is included for crucible-type furnaces.

A slag port door is provided on all furnaces for cleaning out accumulated slag and as a drain in case of pot or crucible failure.

Entire furnace unit comes ready for installation, complete with combustion package, plus prewired control panel. To operate, just hook up the power, connect thermocouples, make a single fuel connection, and switch it on..

Model	Tmax °C	Crucible Holding Capacity	kg/hr Cu	Burner rating (kW)	Exterior dimension mm			Weight kg
					W	D	H	
CFD 500	1200	800 kg Copper	200	300	1500	2150	1550	2000



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