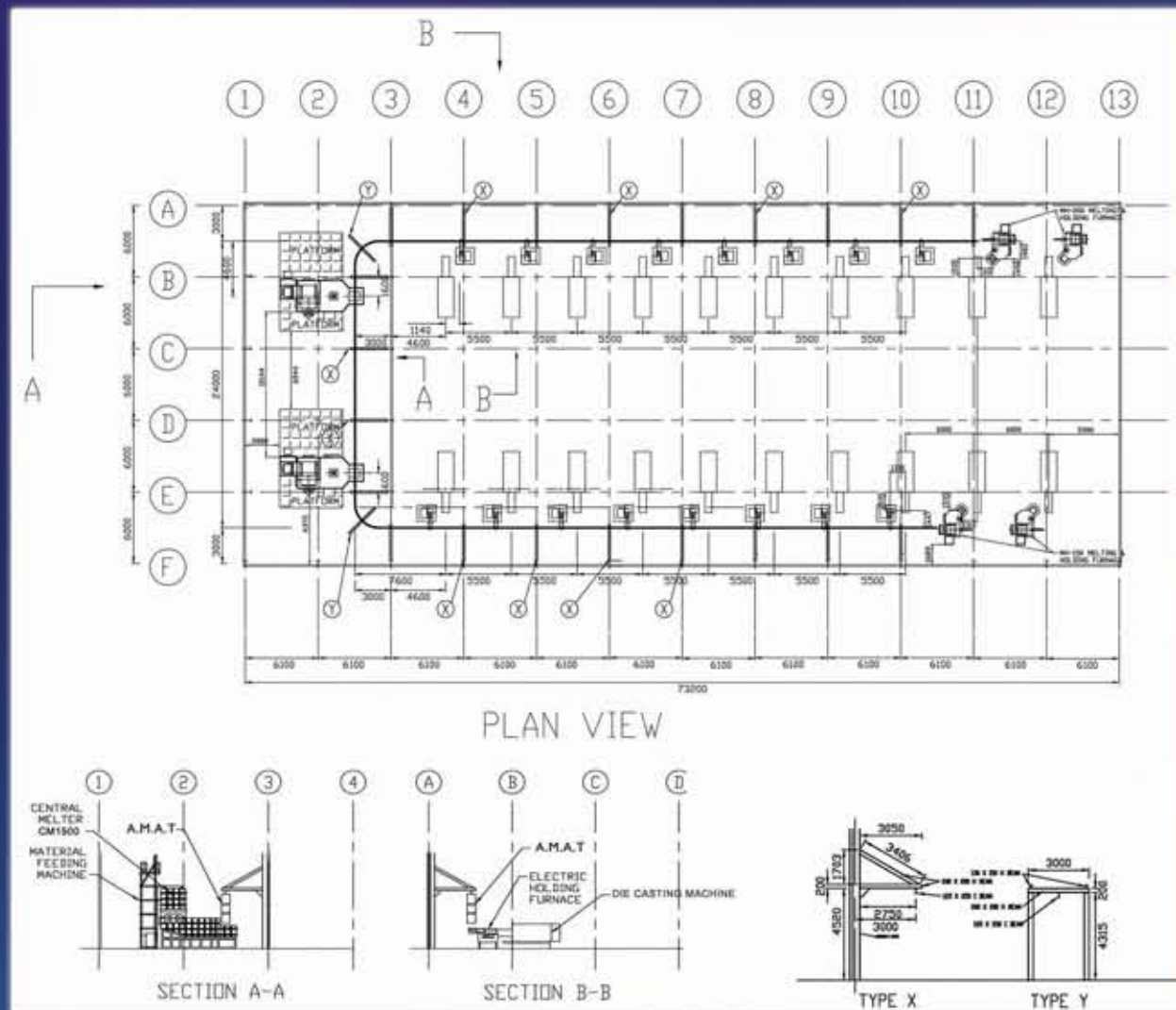


CMTS ~ WORKING IN PARTNERSHIP WITH CUSTOMERS TO DELIVER HIGH QUALITY MELTS AT LOWER MELTING COST

TURNKEY PLANT TO MELT AND HOLD ALUMINIUM INCORPORATING AUTOMATED MOLTEN ALUMINIUM TRANSPORTER SYSTEM (A.M.A.T.)



Central Aluminum Melting Furnace Automated Molten Aluminium Transporter Electric Holding Furnace
Capacity ranging between 12,000 kg to 48,000 kg molten aluminium per day



CMTS MELTING AND HOLDING FURNACES FOR ALUMINIUM DIE CASTING INDUSTRIES



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CENTRAL TOWER MELTING FURNACE - CM TYPE



This furnace is built specially for aluminium casting and aluminium die casting, this furnace is capable of producing very high quality melts. The furnace comprises a preheating chamber, a holding chamber and an automatic material charging machine (skip elevator). Its compact design not only saves space and energy, it is also safe to operate too.

The temperature of the molten metal can be regulated and level indicator / probe allows the surface level of the molten metal to be monitored. For handling convenience, an optional automatic conveyor driven dispenser can be incorporated to transport molten metal from the Furnace Holding Chamber to individual Holding Pots located elsewhere.

Some of the remarkable features of this furnace include :-

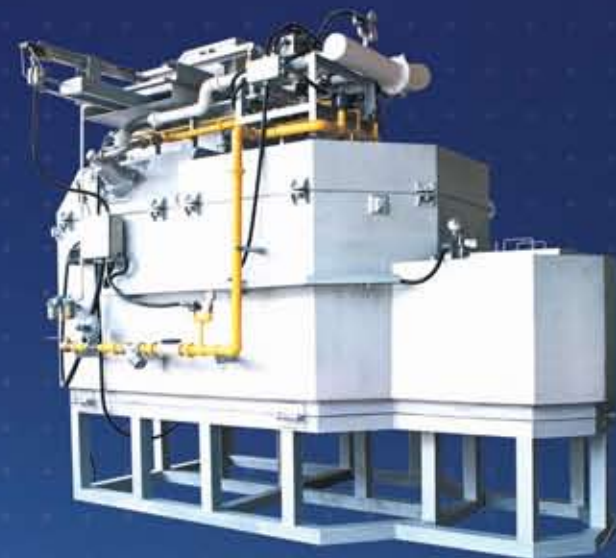
- Superior Aluminium Melt Quality
- Choice of Fuels
- Calm Surface of Molten Metal and Low Oxidation Losses
- Low Noise Pollution
- Ease Of Cleaning
- Low Maintenance Cost
- Low Energy Cost

CM Model Furnace Specification

Type	Melt Rate (kg/hr)	Holding Cap. (kg)	Melt Burner Cap. (kcal/hr)	Hold Burner Cap. (kcal / hr)
CM - 500	500	1,300	400,000	200,000
CM - 700	700	1,600	500,000	200,000
CM - 1000	1,000	2,000	600,000	200,000
CM - 1500	1,500	3,000	900,000	300,000
CM - 2000	2,000	4,000	1,200,000	400,000
CM - 2500	2,500	5,000	1,500,000	500,000



ALUMINIUM MELTING AND HOLDING FURNACE - MH TYPE



This Melting and Holding Furnace is designed for continuous operation and is suitable for aluminum die casting and aluminium casting industries.

Equipped with "Super Low Speed Flame Burners", it performs better than conventional furnaces by offering good temperature uniformity of molten metal coupled with excellent energy savings.

Some of the remarkable features of this furnace include :-

- Superior Aluminium Melt Quality
- Low Maintenance Cost
- Good Temperature Control
- Choice of Fuels
- Low Noise Pollution
- Ease of Cleaning

MH Model Furnace Specification

Type	Melt Rate (kg/hr)	Holding Cap. (kg)	Melt Burner Cap. (kcal/hr)	Hold Burner Cap. (kcal / hr)
MH - 50	50	300	50,000	50,000
MH - 100	100	400	80,000	80,000
MH - 150	150	500	80,000	80,000
MH - 200	200	650	120,000	80,000
MH - 300	300	1050	150,000	120,000

AUTOMATED MOLTEN ALUMINIUM TRANSPORTER (AMAT)



The CMTS Automated Molten Aluminium Transporter is built to transfer molten aluminium from a Central Melting Furnace to a row of electric holding furnaces stationed next to die casting machines, at predetermined intervals.

A.M.A.T Specifications

Model	A.M.A.T 60	A.M.A.T 80
Melt quantity per charge	60 kg	80 kg
Travel Speed	Up till 45 metres per minute	
Central Furnace Melting Rate kg/hr	Between 500 to 2000 kg/hr	
No. of Holding Furnaces	Up to 12 furnaces per line	

The advantage of using A.M.A.T are as follows:-

- High quality melts can be delivered at controlled temperatures
- Low utility cost
- No full time operator required
- Speed and quantity of molten aluminium delivery can be controlled



ELECTRIC HOLDING FURNACE - ELH TYPE

The Electric Holding Furnace is built with a receptor to receive molten aluminium delivered by A.M.A.T. The molten aluminium is kept hot using specially designed heaters mounted on the roof of the burner.

Some of the remarkable features of this furnace include :-

- Total enclosed system produces incredible energy savings -- 80 - 90% lower than older furnace styles.
- Low maintenance costs - 10 minutes cleaning once a day is all that's needed.
- Drastically reduces metal loss, maximum metal quality

ELH Model Holding Furnace Specification

Model	Holding Cap. (kg)	Size of well opening (mm)	Depth of Dipout Well (mm)	Dimension W x L x H (mm)
ELH - 400	400	370 x 370	300	1140 x 1560 x 1195
ELH - 500	500	370 x 370	300	1260 x 1710 x 1230
ELH - 700	700	370 x 370	300	1430 x 2155 x 1230
ELH - 800	800	370 x 370	300	1460 x 2310 x 1230

