

Product Name : Electric Bale Out Furnace

Technical Name : Furnace, Electrical Bale out furnace, Gas fired furnace, Crucible furnace, Oil fired Bale out furnace, Aluminium Bale out furnace, Indirect melting furnace, Batch melting furnace.



Application : Aluminium, Copper, Lead, Zinc Melting.

Product Description : A Cubical Shell Furnace, which will be stationary furnace, used in melting all kinds of Non-ferrous melting, Lead Oxide Kettle, Zinc Kettle etc., Indirect type melting ensures the Loss of metals due to oxidation/Carbon deposit by the fuel or Combustion Properties. **Furnace** is lined with Refractory and Insulation brick to hold the liquid metal to a **Temperature** of 1200 °C. This furnace lining by a brick is formed with extra locks mechanically to ensure the **lining** the tightness and holds the crucible to not to fall of while tilting the furnace.

Advantages : Our **furnaces** are designed in such a way to reduce the **fuel consumption**. Our furnaces are lined with both refractory bricks and Ceramic fibre modules, in such a way to pass the flue Gas around the crucible enabling high conduction and convection heat transfer. **Combustion/Heating Equipments** are designed to meet the requirements of furnace and Heat transfer rate. Burner will be positioned inclined to an angle, so that the flame/flue skips on the surface of the material. **Better heat transfer** rate through **circulation and Re-circulation**. Our **furnaces** are designed for **skin temperature** of 65°C (Maximum).

Specialties : **Manual Operating Furnace, Automatic Operating Furnace, Air / Fuel Ratio Regulating System, Mass Flow control System, Pressure Balancing System, Flue Control System.**

Optional Accessories : **Pre heating** the scrap before charging can be done. **Recuperator to pass the combustion air into the Burner at a temperature of 150°C** (Minimum) for fuel saving upto 40%.

Capacity : 500 Kgs - Customer's requirement.

Heat Generated By : **Light oil/Heavy oil/Furnace oil/ Natural gas/ CNG/LPG/Propane/Butane/ Producer Gas/Bio Gas**

Lining : **Refractory and Insulation Bricks** based on the **temperature** and operation of the furnace

Specifications of the Latest supplied equipment : 350 Kgs Bale Out Furnace for Aluminium Melting at M/s. Craftsman, Coimbatore, India.

Best Fuel achieved : **90 Liters of Diesel/Ton of Liquid Aluminium.**