



**MELTING FURNACES
HOLDING FURNACES
FOUNDRY ACCESSORIES**

PIONEER  **MORGAN**

PIONEER MORGAN FURNACE RANGE

MORGAN DUAL ENERGY BALE OUT & BASIN-TILTING FURNACE

The Dual Energy combines the advantages of gas melting with electric holding in a highly efficient furnace. The electric resistance radiant heaters give a low electrical load whilst gas radiant panels provide fast efficient melting.



D.E.
18kW, 24kW, 36kW-Electric
125kW-325kW- Gas
119-1135kg Aluminium
Supply form U.K.

MORGAN MK IV BALE OUT FURNACE

A highly efficient gas fired bale-out, using a radiant panel lining system. The modern, efficient, fully modulating gas burner provides both fast melting and accurate temperature control suitable for aluminium or zinc alloys.



MK IV GAS
125 kW-325kW-gas
119-1135kg Aluminium
Supply form U.K.

PIONEER MORGAN ELECTRIC RESISTANCE BALE OUT FURNACE MK IV

Electric Resistance High Efficiency Bale Out Furnace, supplied from 42kW to 120kW power inputs. Available with contactor or thyristor control panels and in a range of capacities from 135kg-1500kg of aluminium. Suitable for melting and holding aluminium, zinc and other alloys. A basic low cost range is also available.



E.R.B.O.
42kW, 46kW, 54kW, 72kW, 120kW
135-1500kg Aluminium
360-3000kg Zinc

PIONEER MORGAN HIGH EFFICIENCY BALE OUT FURNACE MK III

Gas and oil fired furnace supplied with a range of burners from automatic on/off to high/low/off control. Linings in traditional brick or low thermal mass systems. Suitable for melting zinc and aluminium. Brass and bronze melting furnaces are also available.



MK III B.O.
135-1135kg Aluminium
360-3000kg Zinc

PIONEER MORGAN BASIN TILTING FURNACE MK IV

Fuel fired basin tilting furnace supplied with a variety of burners ranging from manual to fully automatic. Linings in traditional brick or low thermal mass systems. Suitable for melting aluminium, zinc, brass, bronze and iron.



BT140-1800
62 - 930kg Aluminium
180 - 2700kg Bronze

PIONEER MORGAN ELECTRIC RESISTANCE BASIN TILTING FURNACE

Electric Resistance Basin Tilting Furnace rated at 60kW, 90kW or 120kW in four standard crucible sizes. Supplied with either contactor or thyristor controls.



E.R.B.T.
60, 90 or 120 kW
213, 310, 530, 700kg Aluminium



Technical Know - How From :

MORGANITE CRUCIBLE LTD. U.K.

**PIONEER MORGAN
HE ELECTRIC LADLE**

A range of electrically heated transport ladles for aluminium and zinc. Available for crane or forklift transport and rotation. Larger capacities can also be supplied.



E.L.
20-36kW
200, 250, 300, 500, 700kg
Aluminium

**PIONEER MORGAN TRANSPORT
ELECTRIC RESISTANCE
BALE OUT FURNACE.**

Highly Efficient transportable crucible bale out furnace for melting & holding. Available for forklift transport in four sizes.



**TRANSPORT E.R.B.O
FURNACE**

46kW, 72kW, 120kW
100 - 1000kg Aluminium

**PIONEER MORGAN
REGENERATIVE GAS FIRED
TILTING CRUCIBLE FURNACE**

The Morgan Regenerative Crucible Tilting furnace is specially designed for rapid bulk melting of metals for both die-casting and general ferrous and non-ferrous foundries. The furnace utilises the principle of regenerative recuperation. This considerably improves the thermal efficiency of the melting process, reducing fuel consumption and provides a high temperature capability.



REGEN FURNACE

170kg - 930kg Aluminium
430kg - 1600kg Bronze
450kg - 1500kg Iron

**PIONEER MORGAN CENTRAL
AXIS TILTING FURNACE C.A.**

A traditional manually tilted furnace supplied to melt ferrous and non-ferrous materials. Available with a range of automatic/manual oil or automatic gas fired burners.



C.A.

20-100kg Aluminium
7-300kg Bronze
50-250kg Cast Iron

**PIONEER MORGAN ELECTRIC
RESISTANCE BALE-OUT
FURNACE MK IV**

Electric Resistance High Efficiency Bale Out Furnace, supplied from 43kW to 120kW power inputs. Available with conductor or thyristor control panels and in a range of capacities from 135kg - 1500kg of aluminium. Suitable for melting and holding aluminium, zinc and other alloys. A low cost entry range is also available. New addition : K. S. Electric Resistance furnace.



E.R.B.O.

42kW, 46kW, 54kW, 72kW, 120kW
135 - 3000kg Aluminium
(King-Size ERBO Illustrated)

FFM Range also Includes :

- Miniature Furnaces for Colleges / Art workshops
- Ladle Heaters
- Electric Furnaces for Brass
- Spares for Pioneer Morgan Furnaces



FUEL FURNACES MANUFACTURERS

K 41/42, Gorwa Industrial Estate, Phase-II,
Opp. Jyoti Switch Gears, Vadodara - 390 016.INDIA
Tel. : (0265) 2280271, 2284696 Fax : (0265) 2285465
Email: bhavikmehta@satyam.net.in

With Technical Know-how From :

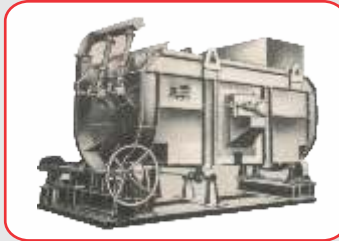


MORGANITE CRUCIBLE LTD. U.K.

PIONEER SKLENAR FURNACE RANGE

PIONEER SKLENAR REVERBERATORY FURNACE

A Range of Oil/Gas Heated Reverberatory Mechanical / Hydraulic Tilting and Stationary Furnaces.

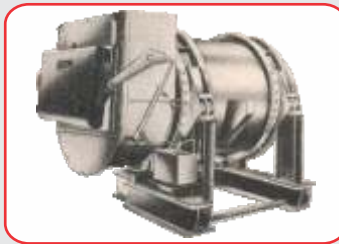


REVERBERATORY SKLENAR

35Kg. to 20000Kg.
Aluminium & Copper base alloys.

PIONEER SKLENAR LIP POUR TILTING FURNACE

Hydraulic Lip Axis Tilting furnace with flue - end door.

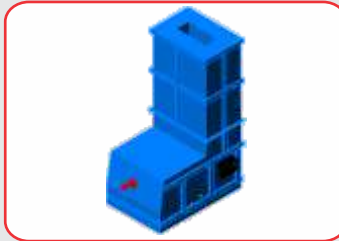


S.L.P

1000kg - 5000kg Aluminium

PIONEER SKLENAR HIGH STACK FURNACE

Specially Designed high stack enhances charge preheating to improve efficiency and render higher throughputs with Continuous metal Supply. Ideally suited for bulk melting applications.



HIGH STACK

500-1000 Kg. to 2000-3000 Kg.
Melting-Holding Aluminium Capacity
500kg to 2000kg /hr.
throughput of Aluminium
Can be custom Designed.

PIONEER GEAR LADLE

Geared Ladle For CI, S.G. Iron. Aluminium, Copper etc. **TEA SPOUT,**
LIP POURING, BOTTOM POURING



GEAR LADLE

From 250 Kg to 15000 Kg.
C. I. Capacity

FFM Range also Includes :

- Mobile Ladle
- Ingot Casting Machine
- Ingot /Scrap Charging Machine
- Heating & Pumping Unit
- Spares for Pioneer Sklenar Furnaces



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