

GUNNING MACHINE FOR REFRACTORY AUTOMATIC OPERATION



Equipment designed for being easy to use, robust and well adapted for the steel plants conditions . This kind of equipment is widely used for repairing of, BOF , electric arc furnace AOD , VOD , Ladles , in hot and cold conditions . Its main advantage is achieved when furnaces are repaired in hot condition. The time required for cooling and then again heating of the furnace along with the thermal losses are prevented , thereby lot of savings in terms of Power loss are achieved , also the availability of furnace is substantially increased.

The refractory material is conveyed dry from the machine to the nozzle point and hydration as required is done at nozzle point , just before gunning.

It also can be customized under consult , for fitting some customer operation and area conditions

TECHNICAL DATA:

Load-cell weighing system that allows preset injection amounts;

1,5m³ tank capacity, refilling from remote control and a structural mounting frame;

Max. Gunning Distance: 150m on horizontal or 50m on vertical;

Vessel outlet / Hose diameter: Ø 2" / 1 ½";

Air inlet: 1 ½";

Vessel Maximum Pressure: 6 bar;

Machine weight: 3000 kg

OPTIONAL:

- Weigh cells system;
- Gunning hoses, nozzle, gunning lance

MEDIA REQUIRED:

- Air Pressure: 6 bar;
- Air consume: 8 Nm³/min;
- Electric energy feed: 110/220 V, 50 or 60 Hz

ADVANTAGES:

- Low maintenance and long lifetime;
- As the water mix is made in the mixer device positioned at the gunning nozzle, there is no agglomeration of material inside the pipes and hoses, allowing continuous gunning after each load;
- Continuous Gunning of larger mix amounts without reloading;
- Available in different sizes;
- Can be transported by overcrane or forklift;
- Hopper can be filled using big-bags of up to 2000 kg;
- Removable feed hopper;
- Gunning capacity: 2 to 4 m³/h