

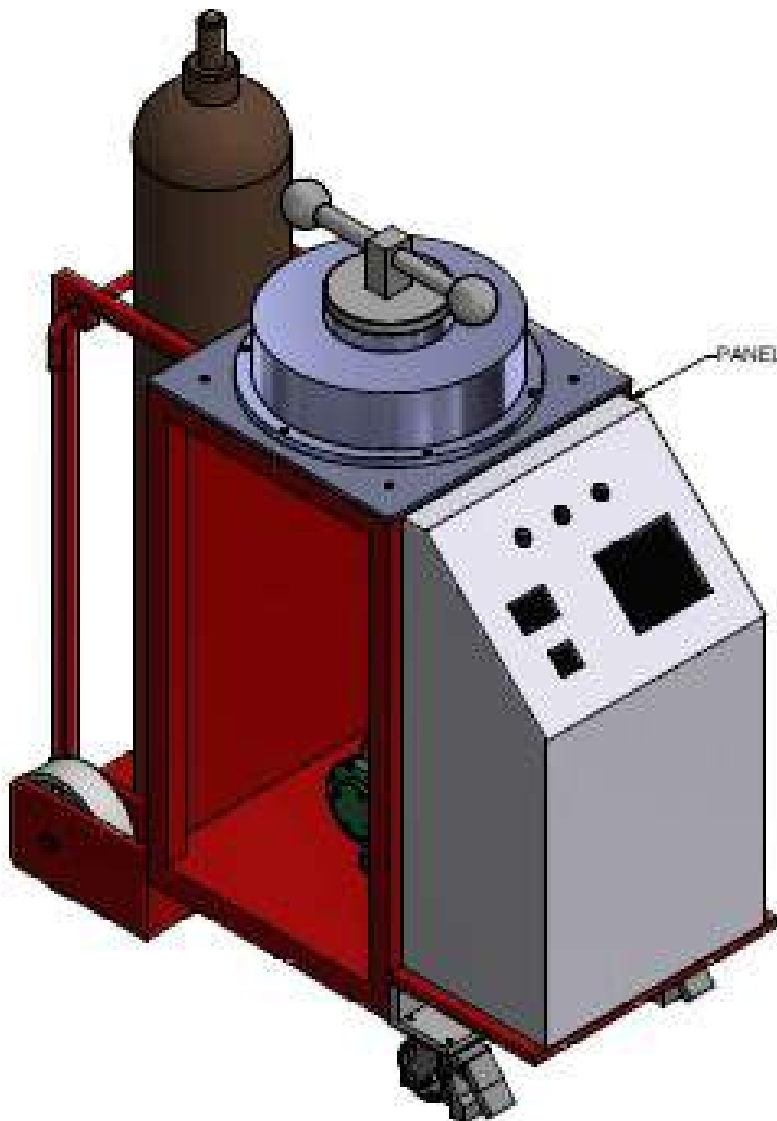
ECO – FLUX INJECTED MACHINE

(GRANULAR & POWDER FLUXING AND REFINING AGENT INJECTION SYSTEM)

The Flux injector designed in such way that it purge the Granular / Powder flux along with the carrier gas which give consistant results of improving the Melt quality & produce dry dross with minimum metal.

Also It can be use for cleaning the build up oxide inside the Melting furnace walls including the Bottom by injecting the Wall cleaning flux directly on the walls.

It helps to increase the yield of the Melting furnace capacity.



Technical Data –

- Granular / Powder flux feeding rate : 0.5 kg/min, 1kg/min, 1.5 kg/min, 2.0kg/min
- Flux tank capacity – 25 to 30 kgs.
- Flux Injection time setting through HMI system. Make – Delta.
- PLC base logic control. Make – Delta.
- Inert gas requirements : Preferred Nitrogen / Argon gas.
 - Input Gas supply pressure – 4 to 5 Bar.
 - Flux injection pressure – 3 to 4 Bar.
 - Gas flow rate during injection – 150 to 200 LPM.
- Mobile type Flux injector mounted on rugged PU four wheel trolley for easy movement.
- Audio – Visual system through Alarm & LED lights.

Benifits :

- Its gives consistant improved melt quality with minimum inclusion level.
- Flux will be purged at accurate & controlled amount.
- Gives DRY DROSS with minimum metal content.
- Clean the oxide formation on the furnace walls.
- Inject the flux at the bottom of the liquid metal which give highest efficiency for the flux for reaction.
- Less fumes level as compare with fluxing on the metal surface.
- Very easy to operate from Furnace to furnace.

Application :

- Reverbetory type Tower / Skelenar Melting furnaces.
- Mleting furnace capacity should be above 1 MT holding capacity.

Specifications :

- 3 phase ,415 V , 50 Hz.
- Seperate Electrical cum Pneumatic Control panel.
- Weight – about 300 kgs.
- Dimensions : Approx 1450 X 600 X 1600 mm.