

ALUMINUM RECYCLING PLANT

SECONDARY ALUMINUM MELTING FURNACE



Aswathi Industries Limited

Key Features:

- **Hydraulic Operated .**
- **Low Fuel Consumption**
- **Automatic Casting Mechanism .**
- **Effective Scrubber System .**



MELTING FURNACE

AIL offered system for melting of aluminum scrap using **tilting type Skelner furnace**. Skelner furnace is carbon steel furnace insulated with **refractory Bricks**. Raw material is feed to Skelner furnace through Pusher arrangement. Raw material is melted initially at 700+- 30°C in the furnace. After melting flux should be added and dross removed after drossing, material like iron, steel should be removed from molten bath. To check the composition of molten metal draw bath sample and Check for Si, Cu, Mg, Zn, Fe, Ni, Pb and other element percentage in Bath. Required quantity of silicon/copper and other chemical should be added into the molten bath to maintain the composition as per customer requirement and mix it properly. Take bath sample again and check the composition.

Scrubbing system is provided to main PPM level in flue gases .To process for ingot casting, Sample of Aluminum bath is taken and cut on lathe machine for chemical composition checking. If we found the sample ok with our requirement, process molten metal for casting. **Laundry Arrangement** is offered for discharge of molten metal from furnace. Material is transfer to **ingot casting machine** though refractory insulated laundry arrangement and provide clean finished product.

Specification

Capacity : 3MTB/5MTB/8MTB/16MTB	Electric Load : 60 KW/85KW/120KW/150KW
Voltage : 380V,400V,415V,480V	Water required : 1 KLD
Frequency : 50HZ, 60 HZ	Space Required : 360 m ² (18 mX20m)*
Equipment MOC : IS2062-E-250BR (MS)	Shed Dimension : 10 m (H) x18 m(W) *

- **Bailing Press**
- **Magnetic Separator**
- **Dross Processing System**



* Actual dimension will be confirm as per Layout and capacity and Storage and admin space extra.

**FOR ORDER
Email**

Sales@aswathiindustries.com



+91-8657439484

Address : Apeksha Enclave, Mahavir Nagar, Kandivali (West), Mumbai – 400067, Maharashtra, India

Website : www.aswathiindustries.com Email : Mohit@aswathiindustries.com