

# Furnaces for Non Ferrous metals



## AI- Melting Holding Furnace

- Crucible Bale out/tilting.
- **Dry Hearth Melting** Crucible holding with degasser - continuous melting.
- Auto Feeder.
- Melt Bath temperature control.
- Least Oxidation, Slag formation.
- **PLC Control**, complete report generation.
- Can be hooked to auto **PDC, HPDC MCS**.

## AI- Flash Annealing Furnace

- Suitable for **Slugs and Circles**.
- **Electrical / Gas / Diesel** fired.
- **Batch or Continuous**.
- Accurate temperature control by **PLC + HMI + SCADA**.
- Lowest heating Cost.
- Report Generation.



## AI- Heat Treatment Furnace

- Batch Box type Furnaces.
- Drop Quench Furnace as per **AMS 2750 and API 6A**.
- Accurate temperature control  $\pm 5^{\circ}\text{C}$ .
- **Quenching** in less than **10 sec**.
- Fully Automated, no manpower required.
- Suitable for **Aerospace component Heat treatment**.

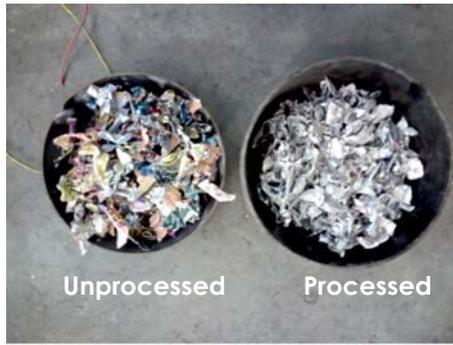
## Chips Melting Furnace

- **300 - 500 kg crucible** with Metal Agitation based chips melting Furnace.
- Lowest Losses.
- Highest Output.
- Low Oxidation losses.
- Complete Unit with **Tilting type Crucible** furnace, vertex rotor, recuperator.
- Diesel/Gas firing.
- All drives **Hydraulic** operated.



## Decoating Furnace

- UBC cans shredded scrap is passed through the rotary furnace for **removing/burning paints** effectively.
- **Low cost.**
- Continuous plant.
- **Turbo technology** - unburnt gasses passed through Burner for complete burning.
- **Smokeless, Pollution free.**
- Appropriate **temperature control, No Overheat, No oxidation.**



## Al Chips Drying, Magnetic Separation

- Al-Chips are passed through rotary Furnace for **moisture removal** and oil removal.
- Hot chips then Cooled.
- Cold chips are passed over multi drum **magnetic separator**.
- The Gases are then treated in pollution control system.
- **Pollution Control equipments** Venturi scrubber, Quencher demister, ID Fan in Stainless Steel.
- **Emissions** - As per National Ambient Air Quality Norms.
- Emergency Exhaust.
- **Complete Recycle system**, suitable for in-house recovery system of bought with chips melting furnace.

## Ageing Oven

- Gas/Diesel/Electrical Ageing Oven
- Uniformity  $\pm 5^{\circ}\text{C}$ .
- Most Economical Operation



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