

KES

The Smelting Furnace

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1. Scope of application

This standard shall be applied to the smelting furnace used to smelt the Al¹ Ingot and Return materials.

2. Equipment structure

(1) Body

- ① Use the Steel as outside quality of material of body.
- ② The surface temperature should be less than + 50 of air temperature by mounting the heatproof board outside the body.
- ③ As for temperature-rising room take the structure by which the cleaning of furnace is easy and take the Sealing measure in order for the flame etc. not to be leaked.
- ④ Equip the inspection instrument door in the smelting room, take the structure by which the cleaning of furnace is easy and take the Sealing measuring in order for the flame etc. not to be leaked.
- ⑤ Inspection instrument door in the smelting room should be equipped with separate Interlocking equipment outside.
- ⑥ As for the height of tap hole end tap, secure more than 1200mm of height from F.L.
- ⑦ Mount the materials level detector on the tower part of smelting room.
- ⑧ Equip the smelting bath level detect stick in the temperature-rising room and interlock to get the smelting Burner to be off in case the smelting bath is high.

(2) Materials injection equipment

- ① Use the □ type of steel for Main Fram of material injection equipment.
- ② Mount the safety cover outside material injection equipment.
- ③ Mount the Sensor to be able to check the right position at the time of Basket Setting to the material injection equipment.
- ④ Make it possible to be charged with Basket and Bundle using it common.
- ⑤ Enable the manual and automatic charging.

(3) Material return equipment

- ① The height of material return equipment should be more than F.L+700mm.
- ② As for the Bundle enable the stand-by of 3 Bundle.
- ③ Enable the common use of Basket and Bundle.

(4) Register

- ① Mount the Printer of register on the Panel of injection equipment.