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Automatic Grid Casting Machine

TCLGC-40CA



Description:

This production provides the battery manufacturer with a smoother and faster operation, and increase their profits. It is used to produce high quality grids of lead-calcium or lead-antimony alloy.

Features:

- This machine is equipped with safety device, ie., it can't be automatically started if there is insufficient air pressure. Alarming lamp will sound and light will turn on when the level of elevator isn't positioned.
- Atmosphere is controlled in the feedline and dispense valve to eliminate oxidization.
- The melting lead flows to feedline from furnace by rotary pump.
- There are 3 sets of heaters in lead melting furnace. They can be repaired separately.
- Applicable grid casting range per panel: Max. 325*170*5mm; Min. 160*80*1.2mm
- This machine is of easy operation with little breakdown. The mould can be rapidly changed, and with long-serving life. One worker can keep two of these machines at the same time, it's easier by only feeding lead ingot during manufacturing process.
- This machine has 2 sets of 24-hours preheating devices. One is for lead melting furnace and lead flowing valve, and the other for lead ladle and moulds.
- This machine can casting 8-14 panels per minute.



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Operation:

The operator should fix the mould heater on the mould in advance, then assemble the stationary mould into the mould supporting stand, and fastened with screws.

Put movable mould onto the stationary moulds, and start heating lead melting furnace, lead flowing valve, lead ladle and moulds, etc. up to the preset temperature.

When the temperature reaches the desired setting, then start to test the mould, and adjusting the cutter(trim die) to the desired width, the lead flow volume and the traveling speed of main machine.

When the above process are ready, press auto start switch for automatic operation.

Utilities Requirement:

- Electrical source: 3p, voltage & frequency is subject to client's demand.
- Hp used: main machine-1HP x 2
- Heater used: lead melting furnace-37.5kw; feedline-5.4kw x 2; lead ladle-2.7kw x 2, mould-5.2kw x 2.

Dimension and Weight:

- Dimension of caster: each 2500mm(L) x 900mm(W) x 1900mm(H) 1350kgs
- Dimension of furnace : 1600mm(L) x 800mm(W) x 750 mm(H) 600kgs
(The capacity with full amount of melting lead is approx. 3500 kgs.)

