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## Automatic Grid Frame Casting Machine

TCLGC-60LBR



### Description:

This machine is a high efficiency automatic machine designed for improving the problems happened in conveying lead heater and other defects during the process of casting lead-calcium alloy grid for the used of battery manufactures.

### Features:

- It is controlled by electric controlling system and pneumatic mechanical system.
- It is easy for operation with low breakdown. The mould can be rapidly changed, and with long-service life. It can operate with two of the machines by one person at the same time.
- It is suitable for casting grid of lead-calcium alloy or lead-antimony for AVL, automotive battery, and motorcycle battery.
- It has 2 sets 24-hour preheating devices, one is for lead furnace and lead valve, and the other for lead ladle and moulds.
- There are 3 sets of heater in lead furnace. They can be repaired separately.
- Mold ejection cylinder and open-closed mold cylinder are separated.
- Cover protector is added on two-sides of machine.
- This machine includes auto dross recycling system.
- Open -closed mold same as Writz design.
- It can cast 8-16 panels per minute.



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## Operation:

The operator should in advance fix the heater on the mould, next assemble the fixed mould onto mould supporting stand, and fastened with screws. Then, directly put moved mould onto the fixed mould, and start heating lead furnace, lead value, lead ladle and moulds, etc. up to the preset temperature.

When the temperature reaches the desired one, then start to test the mould. Finally, adjust the speed of the main machine, the width of the trim die and the flow of valve, and then press auto start switch to operate automatically.

## Utilities Requirement:

- 3-phase power source, voltage and frequency are subject to the customer's requirements.
- HP used: main machine 2HP (1.5KW), recycling machine 1/2HP.
- Heater used: lead furnace 22.5 kw, lead ladle 2.7kw, and mould 5.2kw.

## Dimension and Weight:

- Lead Furnace Capacity: 1300 KG
- Machine Dimension: L3900 MM × W1200 MM × H2900 MM.
- Weight: 3300 kg.