

MODEL

IGO-40 is made for improving the not good dry-charging efficiently when the lead-acid battery manufacturers make the negative plates. The traditional movements can be exempted, such as soaking plates in acetic acid. And it can also reduce the nonessential manpower; improve the efficiency and quality of drying.



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OPERATION

Take out negative plates from forming tank, and put them on the stainless steel stand specialized for drying machine. Then, operate electric crane to move the stand into water and clean for several times until plates nearly turn neutrality. It can begin to dry plates after steps above. Hoist cleaned plates from water tank by electric crane, and then put them into drying chamber in the machine, start the machine to dry plates.

%Suggestion: Please install your own electric crane which has load capacity over 2 tons.

FEATURES & PERFORMANCE

- $\sigma\,$ It is controlled by electric machine control system and pneumatic system.
- Gas burner system use worldwide high-class brand in order to burn safely, stably and efficiently.
- Gas security device use high-class brand, such as HONEYWELL or YAMATAKE, to control the safety of burner and to stabilize the performance.
- Drying capacity is around 3000~5000 panels, and it takes around 150-180 minutes. (The less panel, the shorter drying time it takes.)
- 4 to 5 storey stainless steel stand can be put into the drying chamber. You can decide to put in 4 or 5 storey according to the drying degree and quality of plates you required.
- After drying, moisture content of plates will be less than 0.6%, and increase rate of lead oxidation(PbO) will be less than 3%.
- \circ Liquefied petroleum gas (LPG) or natural gas (NG) can be applied as supplying burning air.
- Cool the hot water discharged from machine by water cooling tower, then let cooled water go back into drying machine for circulation. So your own cooling tower should be prepared at least for 10 tons/hr. It is usually suggested to use 20 tons/hr circulation volume for cooling tower. To ensure if the demand of cooling water increase someday, it can still supply sufficient water.

MACHINE SIZE & APPLIED HORSEPOWER

- 3-phase power source, voltage and frequency are subject to customers' requirements.
- o Machine HP used:
 - Circulatory blower 30 HP (22.5 KW)
 - Fanner for gas burner 3 HP (2.25 KW)
 - Water inletting pump 1 HP (0.75 KW)
 - Water draining pump 2 HP (1.5 KW)
- Gas burner: burning ability 120,000 KCAL/hr. LPG using amount is about 8 KG per hour.
- o Machine size:

L 3700MM, W 2200MM, H 2650MM

- Electric control box size:
 L 1000MM, W 400MM, H 1900MM
- o Weight:

Drying machine 4800KG Electric control box 200KG Bucket-pulley 40KG/1pc

* Due to constant research and development, we reserve the right to change specifications without prior notice.

*The machine size and weight provided on the catalogue may be different due to different requirements from your order.