



INTEGRATED CIRCUITS ELECTROINC INDUSTRIES

Acid Filling Machine

2024

1.Overview

Acid filling and Leveling Machine is designed to fill the accurate amount of acid into the cells and suck back the exceeded acid from the battery. Special designed nozzles and fiber sensors are used to achieve filling volume and final level accuracy.

2.purpose

Acid filling machines are designed to accurately dispense corrosive liquids such as acids into containers, bottles, or other packaging formats. They are commonly used in industries like chemical manufacturing, pharmaceuticals, automotive, and cleaning products.

3.Functionality

These machines typically consist of a conveyor belt or feeding system to move containers into position, a filling station equipped with acid-resistant nozzles or pumps, and controls for regulating the flow and volume of the acid being dispensed. Some advanced models may include features like automatic capping, labeling, and quality control checks.

4.Features

- Efficient Production and High Productivity.
- Auto Sensitive Filling & Leveling System.
- $\pm 1\text{mm}$ Level accuracy with fiber optic sensors.
- Up to 5 batteries per /minute.
- High Standards for Health, Safety and Environment.



Fig: Acid Filling Machine.

4.Specification

Dimensions	724mm(W)x1004mm(L)x1500mm(H).
Filling head	22.7 Liter x 3 Nozzle.
Power	Singel phase 220 V AC.
Air pressure	7 bar gallon 10/30 Liter.
Capacity	230 Liter.