

Smart Garbage Bin (Sub-Cabinet)

◆ Product Description

The Intelligent Trash Bin (Cipian Cabinet) is a new-type garbage classification and storage device that integrates the functions of "intelligent sensing, classification and identification, data networking, and overflow early warning". It is mainly used to realize the standardized classified collection and intelligent management of domestic waste, and improves the efficiency of garbage classification and environmental cleanliness through technological means.



- Closed-Loop Management and Control System with In-depth MES Linkage
- 1-to-6 Modular Flexible Configuration Solution
- High-Precision Automatic Weight-Bearing and Data Feedback System
- Intelligent Overflow Early Warning and Clearance Dispatching Mechanism
- Industrial-Grade Durable Design and Multi-Language Adaptation

◆ Product Structure

- The Intelligent Trash Bin (Cipian Cabinet) adopts 1.0MM galvanized steel sheets and a 1-to-6 modular cabinet design. It supports customizable recycling categories and both Chinese and English display, and is core-equipped with a barcode scanning and closed-loop linkage structure with the MES system. It can receive MES commands to open the door and provide real-time feedback signals after door closure; meanwhile, each bin compartment is equipped with an independent weighing unit, and the weighing data and full-bin early warning can be synchronized to the MES.

◆ Typical Applications

- The Intelligent Trash Bin (Cipian Cabinet) is widely used in multiple scenarios: in electronic SMT workshops, it is applied for the classified recycling of waste PCB boards and other materials; in auto parts factories, it connects to production systems to realize the recycling of defective products and work order traceability; in cross-border smart manufacturing parks, it supports Chinese and English operations, enabling sharing among multiple factories and optimizing waste clearance; in clean workshops for high-end medical devices, its sealed, low-noise, and easy-to-clean design adapts to cleanliness requirements.

◆ Typical Product Data and Physical Properties

Cabinet Material: 1.0MM Hot-dip Galvanized Steel Plate

Product Dimensions: 1800MM * 600MM * 1500MM

Single Bucket Dimension: 400MM * 500MM * 800MM

Bucket Grid Configuration: 1-to-6 modular design

Single Bucket Grid Capacity: 120L

Power Supply Mode: AC220V/50Hz

Standby Power Consumption: ≤ 8W

Availability:

Item#	Size	Weight
1.4.12.00.0045	1800MM*600MM*1500MM	180kg

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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