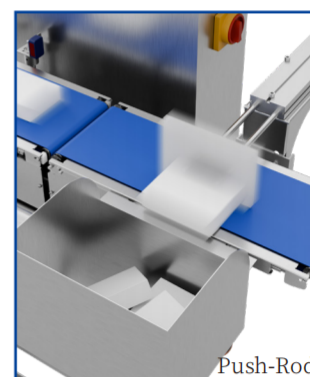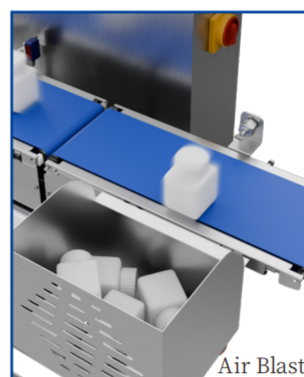# Inspection of Product Quality and Packaging Integrity

Equipment Description

The automatic checkweigher can weigh various products and package sizes on the production line, with a range from a few grams to several hundred kilograms. It is suitable for detecting whether the product weight meets standards before and after packaging, checking for overpacking, underpacking, or missing items (such as products, accessories, instructions, etc.), and for online rejection of non-conforming products or sorting by weight.

Air Blast

Push-Rod

High Precision
Suitable for Small, Lightweight Products and Packaging

General Purpose
Suitable for Most Products and Packaging

Large Range
Suitable for Large, Heavy Products and Packaging

Performance Parameters

Conveyor Belt Width 50mm: Range ≤100g, Accuracy ±0.05g, Speed 20~60m/min
Conveyor Belt Width 100mm: Range ≤500g, Accuracy ±0.1g, Speed 20~60m/min
Conveyor Belt Width 150mm: Range ≤1kg, Accuracy ±0.2g, Speed 20~60m/min
Conveyor Belt Width 220mm: Range ≤2kg, Accuracy ±0.3g, Speed 20~80m/min
Conveyor Belt Width 300mm: Range ≤3kg, Accuracy ±0.5g, Speed 20~80m/min
Conveyor Belt Width 350mm: Range ≤5kg, Accuracy ±1g, Speed 20~80m/min
Conveyor Belt Width 400mm: Range ≤10kg, Accuracy ±2g, Speed 20~60m/min
Conveyor Belt Width 500mm: Range ≤30kg, Accuracy ±3g, Speed 20~40m/min
Conveyor Belt Width 600mm: Range ≤50kg, Accuracy ±5g, Speed 20~35m/min

Basic Parameters

Material:
  SUS201/304 brushed stainless steel, food-grade PU belt
Control System: High-speed A/D sampling controller
Interactive Screen:
  10-inch color touchscreen, 7-inch for high precision
Preset Products: Automatic learning, 100 parameters
Operating Environment:
Custom Options:
  Roller conveyor, multi-channel, split design,
  waterproof, additional interfaces, etc.
  Compatible with metal detectors, labeling machines

Alarm Rejection System

Alarm Method:
  Sound and light alarm
Rejection Devices:
  Air blast, push rod, other
Rejection Levels: 1 to 16 levels
Rejection Collection:
  None, plate, collection box
Air Pressure Interface: φ8mm

The data is provided for reference purpose only and is subject to the custom quotation and contract.

Three exclusion methods

Alarm Stops Machine
Automatic Rejection
Weight-Based Sorting