

PATERSON

JLCW-3KG Automatic Checkweigher

A Cost-Effective
Solution for Modern
Factories



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JLCW-3KG Automatic Checkweigher

High-Accuracy Dynamic Weighing for Modern Production Lines

The JLCW-3KG Automatic Checkweigher is a high-performance dynamic weighing system designed to ensure consistent product weight control, quality assurance, and regulatory compliance across a wide range of manufacturing industries. This model delivers excellent accuracy, stable performance, and reliable data connectivity at a competitive investment cost.

Hygienic Stainless Steel Construction

Built entirely from Stainless Steel 304, the JLCW-3KG features an IP67 dustproof and waterproof rating, ensuring durability and easy cleaning in demanding industrial environments.

The food-grade Habasit belt makes the system especially suitable for food, beverage, and pharmaceutical production lines where hygiene standards are essential.

Automatic Rejection & Quality Control

To guarantee only compliant products reach the market, the JLCW-3KG is equipped with an automatic rejection system (Pusher + Receiving Bin). Products that fall outside preset weight tolerances are automatically removed from the line, ensuring consistent quality and full compliance with internal quality standards and international regulations.

Smart Interface & Data Connectivity

The system features a 10-inch full-color touchscreen HMI with support for up to 100 product recipes, allowing fast changeovers between different products and packaging formats.

Reliable International Components

Key components are selected from trusted global brands to ensure long-term stability and accuracy:

- HBM Load Cells (Germany) – IP67
- Siemens Frequency Inverter
- SICK Photoelectric Sensors (Germany)
- Habasit Food-Grade Belts
- INVT IP67 Motors

This configuration ensures dependable performance even in continuous 24/7 production environments.

Technical Specifications

JLCW-3KG Automatic Checkweigher

Item	Specification
Model	JLCW-3KG
Weighing Range	1 – 3,000 g
Accuracy	±0.5 g
Scale Resolution	0.1 g
Throughput	Up to 120 packs/min (adjustable)
Weighing Belt Size	L 500 × W 300 mm
Maximum Product Size	L ≤ 350 mm, W ≤ 300 mm
Rejection System	Automatic pusher with receiving bin
Product Recipes	Up to 100 product settings
Display	10-inch full-color touchscreen (HMI)
Flow Direction	Left to right (optional right to left)
Belt Height from Floor	800 mm ±50 mm adjustable
Material	Stainless Steel 304
Protection Rating	IP67 (dustproof & waterproof)
Conveyor Belt	Food-grade Habasit belt
Load Cell	HBM (Germany), IP67
Photoelectric Sensor	SICK (Germany)
Frequency Inverter	Siemens (Germany)
Motor	INVT IP67
Data Interfaces	LAN (MODBUS TCP), USB, RS232, RS485
Power Supply	220–230V, 50Hz, single phase
Air Supply	0.6 bar
Functions	Dynamic weighing, zero tracking, weight statistics
Certifications	CE
Warranty	2 years

Technical Drawing

