

PATERSON

JLCW-30KG **Automatic** **Checkweigher**

A Cost-Effective
Solution for Modern
Factories



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JLCW-30KG Automatic Checkweigher

Heavy-Duty Dynamic Weighing for Industrial Production Lines

In modern industrial manufacturing, especially in sectors handling medium to heavy packaged products, precise weight control is essential for maintaining product quality, regulatory compliance, and cost efficiency. The JLCW-30KG Automatic Checkweigher is designed to meet these demands by delivering reliable dynamic weighing performance for products weighing up to 30 kilograms.

What Is the JLCW-30KG Automatic Checkweigher?

The JLCW-30KG is an automatic dynamic checkweighing system capable of weighing products while they move on a conveyor belt, eliminating the need for manual or static weighing. Each product is inspected individually, and its measured weight is compared against preset tolerance limits. Products that are underweight or overweight are automatically rejected.

Automatic Rejection & Quality Control

To guarantee only compliant products reach the market, the JLCW-30KG 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.

The JLCW-30KG operates using a three-section conveyor design:

- Infeed Section / Stabilizes and positions products before weighing.
- Weighing Section / A high-precision HBM load cell (Germany, IP67) measures product weight dynamically with consistent accuracy.
- Reject Section / Products outside tolerance are removed automatically using a pusher rejection system

Conclusion

The JLCW-30KG Automatic Checkweigher is a robust and cost-effective solution for manufacturers requiring accurate weight inspection of heavier products. With its strong stainless-steel construction, reliable international components, and automatic rejection system, it delivers consistent performance, improved quality control, and reduced production risk.

For manufacturers seeking dependable weight verification up to 30 kg, the JLCW-30KG provides an excellent balance of precision, durability, and value.

Technical Specifications

JLCW-30KG Automatic Checkweigher

Item	Specification
Model	JLCW-30KG
Weighing Range	10 – 30 kg
Accuracy	±0.10 g
Scale Resolution	0.1 g
Throughput	Max 35 pcs/min (adjustable)
Weighing Belt Size	L 800 × W 600 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	750 mm ±50 mm adjustable
Material	Stainless Steel 304
Protection Rating	IP65
Conveyor Belt	Food-grade Habasit belt
Load Cell	HBM (Germany), IP65
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

