

# Injection Solution Checkweigher and Pharmaceutical Production Line Weighing Machine

## Detail Introduction :

Injection solution checkweighers and pharmaceutical production line weighing machines are high-precision automatic equipment specifically designed for the pharmaceutical industry. They aim to ensure product quality and production efficiency.

### Injection Solution Checkweigher

An injection solution checkweigher is used for precise weighing and quality inspection of vials or bags containing injection solutions. It is primarily used at the end of the pharmaceutical production line to ensure that each injectable package conforms to weight standards, preventing quality issues due to underfilling or overfilling.

### Features:

**High Precision:** Equipped with high-precision weighing sensors to ensure accurate results.

**Rapid Detection:** Designed for high speed, adaptable to fast production lines.

**Quality Control:** Automatically rejects products that do not meet weight standards, enhancing quality.

**Data Recording:** Records the weight data of each product, facilitating traceability and analysis.

**High Degree of Automation:** Seamlessly integrates with production lines for full automation.

### Applications:

Net weight detection of injection vials.

Weight checking of injection solution bags.

### Pharmaceutical Production Line Weighing Machine

Pharmaceutical production line weighing machines are generally used at various stages of the pharmaceutical production process for weighing raw materials, intermediates, and finished products. They ensure precise weight control throughout the production process, preventing quality issues caused by weight anomalies.

### Features:

**Multi-functional:** Suitable for different kinds of pharmaceuticals and packaging forms, including tablets, capsules, and injection solutions.

**High Sensitivity:** High-sensitivity weighing systems detect minute weight deviations.

**Multi-stage Verification:** Performs weight checks at multiple production stages for comprehensive quality control.

**Modular Design:** Can be modularly designed to meet the specific needs of production lines, allowing for flexible expansion and adjustments.

Data Integration: Integrates with pharmaceutical companies' quality management systems for easier analysis and reporting.

Applications:

Raw material weight management.

Quality control of intermediates.

Final quality inspection of finished products.

## Maintenance and Care

To ensure the normal operation and long-term stability of injection solution checkweighers and pharmaceutical production line weighing machines, daily maintenance and care are essential. Here are some recommendations:

**Regular Calibration:** Periodically calibrate the equipment to ensure weighing accuracy.

**Cleaning:** Keep the equipment clean, especially the weighing platform and sensor area, to prevent dust and pharmaceutical residues from affecting results.

**Connection Checks:** Regularly inspect all electrical and mechanical connections to ensure reliability, avoiding loosening or poor contacts.

**Software Updates:** Ensure that the embedded software systems are updated promptly for performance improvements and new features.

**Scheduled Maintenance:** Follow the manufacturer's suggestions for detailed periodic maintenance and care. These devices can significantly enhance the automation level and quality control capabilities of pharmaceutical production, making them essential tools for modern pharmaceutical companies.