Pharmaceutical Checkweigher Station

- User Friendly Operation
- GMP Compliant
- High Performance

VISIOTT | TPS
Traceable Packaging Solutions

In general, pharmaceuticals produced with low weight and containing materials such as prospectus, spoon, pipette in the contents of the carton should be precisely measured before leaving the line. Moreover, the quantity controls of volatile products such as aerosols after the quarantine period can only be performed with precise measurements. Automatic Checkweigher Stations are used in the pharmaceutical industry to ensure total quality and patient safety. Therefore, the precision and operational accuracy of its weight measurement must be perfect. The completeness of the pharmaceutical components that the patient will use is determined by many legislators with regulations. Pharmaceutical manufacturers have to commit that a carton has been produced in full. Automatic checkweighers control the weight of the smallest component in the carton, ensuring that a carton is complete.

Pharmaceutical Checkweigher Station PCW-100, which we have produced as VISIOTT, complies with international standards and can make very precise measurements. Automatic Pharmaceutical Checkweigher Station PCW-100, which can measure pharmaceutical product weights between 5 g and 1500 g at a speed of 300(*) cartons/minute with an accuracy of 0.1g, can work integrated with traceable production processes.

A conventional checkweigher consists of input, measurement, and output conveyors. Load cell placed under the measuring conveyor detects the weight changes while the conveyor belt is running and measures the weight of the product passing through it with a certain precision by using special mathematical functions. This weight information is processed in the internal automation system and the system decides whether the product will be accepted or rejected. Products whose weight falls outside the predetermined acceptance range are sent to a locked rejection box with the help of an air piston.

The station can be controlled by VISIOTT Line Manager (Level 2) software developed by VISIOTT. Line Manager is designed following the requirements of the pharmaceutical industry, following standards such as GAMP5 and 21 CFR Part 11. It is fully integrated with VISIOTT Plant Manager (Level 3). You can make precise measurements following international standards in the pharmaceutical industry by using the automatic control scales we designed. Please contact us for more detailed information.

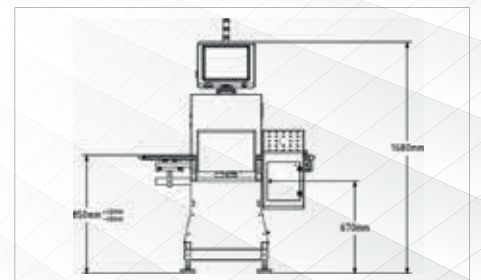| Unlimited Design	Validation	Service Support	Precise and Accurate Weighing	Flexibility	Fast and Accurate
Thanks to the integrated industrial Intel-based computer system, there is no hardware and speed limit for changes specific to operations.	Validation and revalidation of the checkweigher system can be performed with GAMP5 compatible documents delivered together with the system.	It guarantees the continuity of production processes with 24/7 remote and on-site assistance support service.	It can be measured with an accuracy of 0.01 g (10 mg). Then, these values are directed to the feedback port for filling calibration of the packaging machine.	The conveyor lengths and also guidelines of the system can be quickly re-designed according to the operational raquirements	Developed measurement algorithms for the most accurate and precise result at each speed value are developed specifically for the operation with a team of experts.

Features

- Measures products between 5 g and 1500 g with a precision of 0.1 g.
- Measures the weight of 300(*) cartons per minute.
- Integrated with traceable production processes.
- Has a locked reject box.
- User-friendly interface with a touch screen.
- GMP, GAMP 5, and 21 CFR Part 11 compliant
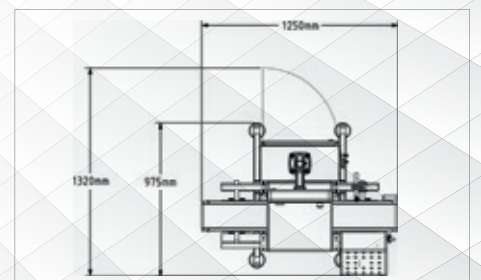
Technical Details

Measuring Range	5 g - 1500 g
Accuracy	±0.01 g (10 mg)
Repeatability	0.1 g (100 mg)
Capacity (max)*	300 pcs/minute
Product Length Contol	Yes
Voltage / Frequency	110 V / 220 V / 50 - 60 Hz
Dimensions (WxLxH)	1030x1200x 2170 mm
Material	Stainless Steel
Computer	Fanless Industrial Computer**
Monitor	Touch Screen Industrial Monitor
Reject Mechanism	Piston or Nozzle (Compressed Air)
Handheld Scanner	Wireless
OIML, MID Compliance	Yes
GAMP5 Compliance	Yes
21 CFR Part 11 Compliance	Yes
Customization Options	Extra input-output conveyors, belt weighing conveyor
UPS	Optional
WiFi	Optional

Front View

Top View

*Related with product dimensions and weight
**Optional

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