



Features

- Serializes up to 400 cartons per minute
- Verifies human-readable text with OCR/OCV
- Only 700 mm long without a feeding conveyor
- Operates offline
- Supports multiple print heads and cameras
- Prints and reads all industry-standard 2D codes
- User-friendly interface with a touchscreen monitor
- GMP, GAMP 5, and 21 CFR Part 11 compliant

Technical Details

Print Technology*	CIJ, TIJ, TT
Printing Resolution (max)	600 dpi
Verification	Grading and OCR/OCV
Camera Resolution	1,600 x 1,200 px (2 Mpx)
Capacity (max)**	400 pcs/minute
Product Length Control	Standard
Voltage / Frequency	110 V / 220 V / 50-60 Hz
Dimensions (W x L x H)	700 x 700 x 1,825 mm
Material	Stainless Steel
Computer	Fanless Industrial Computer
Monitor	Touchscreen Industrial Monitor
Reject Mechanism	Piston or Nozzle (Compressed Air)
Handheld Scanner	Wireless
GAMP5 Compliance	Yes
21 CFR Part 11 Compliance	Yes
Customization Options	Yes
UPS	Optional
WiFi	Optional

* Depends on Operational Needs

** Related to Product Dimensions

Carton Serialization Station

VISIOTT Carton Serialization Station serializes every single pharma carton with thermal inkjet technology. The serialization process takes place in accordance with different global traceability regulations in various industries such as pharmaceutical, food, cosmetics, medical device, etc. If required, carton serialization might be implemented through different printing technologies (CIJ, Lazer, etc.).

The system decodes the printed 2D code on the carton with an industrial high-speed camera and verifies it according to the ISO 15415 standard. The result of this decoding determines whether the carton will be verified or rejected. Rejected cartons are gently removed from the line with a pneumatic piston or air pressure.

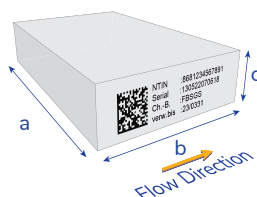
VISIOTT Carton Serialization Station can serialize up to 400(*) cartons per minute. Its specially designed structure allows easy integration with high-speed lines. The station also verifies the visible information with OCR / OCV technology. In this way, the filled cartons are serialized with the highest security. The station is designed for companies that want to save space.

VISIOTT Line Manager (Level 2) software is specially designed and developed by VISIOTT. VISIOTT Line Manager is fully integrated with VISIOTT Plant Manager (Level 3) software for product tracking operations. Thanks to the integration, you can manage carton serialization operations in accordance with traceability regulations. Please contact us for more detailed information.

Standard Dimensional Range

Box Size (mm)

	Minimum	Maximum
a	60	200
b	40	150
c	20	150





(Logo for the Family of Companies in the Group)





PPI Technologies GROUP

1712 Northgate Boulevard
Sarasota, FL 34234
www.ppitechnologies.com
Tel: (941) 359-6678 / Fax: (941) 359-6804



Bottle Labeling Station

Technical Details

Print Technology*	CIJ, TIJ, TT
Printing Resolution (max)	600 dpi
Verification	Grading and OCR/OCV
Camera Resolution	1600 x 1200 px (2 Mpx)
Capacity (max)**	300 pcs/minute
Product Length Control	Yes
Voltage / Frequency	110 V / 220 V / 50-60 Hz
Dimensions (W x L x H)	2,490 x 1,160 x 1,945 mm
Material	Stainless Steel
Computer	Fanless Industrial Computer***
Monitor	Touch Screen Industrial Monitor
Reject Mechanism	Piston or Nozzle (Compressed Air)
Handheld Scanner	Wireless
GAMP5 Compliance	Yes
21 CFR Part 11 Compliance	Yes
Customization Options	Yes
UPS	Optional
WiFi	Optional

Features

- Performs serialization and label application up to 300(*) bottles per minute.
- Verifies human-readable text with OCR / OCV technology.
- Provides label presence control.
- Operates offline.
- It can be easily cleaned.
- User-friendly interface with a touchscreen monitor.

(*) Speed may vary depending on the bottle size.

* Depends on Operational Needs

** Related to Product Dimensions

*** Optional

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Bottle Labeling Station

Bottles are irreplaceable packaging materials that many manufacturers use to present their products to the end-user. It has many forms made of glass, plastic, and metal, especially used by the pharmaceutical, food, agrochemical, and cosmetics industries. Companies that use bottles in their production use labels to create brand differences and share important product information with the end consumer. In low-scale productions, labeling can be applied manually or semi-automatically. However, automatic bottle labeling machines should be used to prevent the labeling operation from interrupting the production speed in large-scale production. VISIOTT's Bottle Labeling Station is an advanced system that provides comprehensive solutions for the automatic bottle labeling needs of different industries.

Serialization and Coding in Bottle Labeling Machine

The concept of traceability is an ever-evolving process implemented by almost all industries. This concept, which allows real-time tracking of the movements of products in the supply chain, has already been recognized as the most important step in digital transformation. Serialization of the bottle label is often one of the preferred methods of companies to ensure that the products used in the bottle as packaging are traceable. Therefore, the bottle labeling station must be integrated with a suitable coding solution to the label material. Besides, it must be assured that the coding solution can meet to current production rates.

One of the indispensable steps of serialization and coding is visual verification systems. The accuracy of the prints on the label with high-speed industrial cameras and whether the label has properly applied to the product should be controlled, and the labeled products that do not pass the control should be sent to the reject box. The relevant ISO standards for 1D/2D codes must be followed in these processes.

VISIOTT Automatic Bottle Labeling Station

VISIOTT Bottle Labeling Station can perfectly realize the labeling needs in all industries. Labeling solutions are provided for bottles of all sizes thanks to our design which can be easily adjusted and customized for different sizes of bottles. In your negotiations with our expert staff, the conditions of the industry in which you operate are analyzed together with you and you are guaranteed to access the most accurate solution. Please contact us for information and offers about your bottle labeling needs.



Pharmaceutical Checkweigher Station

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Technical Details

Measuring Range	5 g - 1,000 g
Accuracy	±0.01 g (10 mg)
Repeatability	0.1 g (100 mg)
Capacity (max)*	300 pcs/minute
Product Length Control	Yes
Voltage / Frequency	110 V / 220 V / 50-60 Hz
Dimensions (W x L x H)	1,250 x 1,845 x 975 mm
Material	Stainless Steel
Computer	Fanless Industrial Computer**
Monitor	Touchscreen Industrial Monitor
Reject Mechanism	Piston or Nozzle (Compressed Air)
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

* Related to Product Dimensions and Weight

** Optional

Features

- Measures products between 5 g and 1,000 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 touchscreen.
- GMP, GAMP 5, and 21 CFR Part 11 compliant

Pharmaceutical Checkweigher Station

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 1,000 g at a speed of 300(*) cartons/minute with an accuracy of 0.1 g, 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.



Semi-Automatic Aggregation Station

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Technical Details

Reading Area	350 x 450 mm
Camera Resolution	3,856 x 2,764 px (10 Mpx)
Voltage / Frequency	110 V / 220 V / 50-60 Hz
Dimensions (W x L x H)	1,000 x 2,200 x 1,660 mm
Material	Stainless Steel
Computer	Fanless Industrial Computer*
Monitor	Touchscreen Industrial Monitor
Working Height	400 mm
Trigger	Foot Pedal
Printer	Zebra, Cab
Handheld Scanner	Wireless
Wheel	Tente**
GAMP5 Compliance	Yes
21 CFR Part 11 Compliance	Yes
Customization Options	Yes
UPS	Optional
WiFi	Optional

* Optional

** Depends on Operational Needs

Features

- It can read multiple 2D data matrix codes of serialized products in a case.
- There is an automatic accordion system to analyze the codes in each layer.
- It has an industrial high-speed camera system.
- It has specially designed illumination equipment.
- There is a foot pedal trigger for the aggregation process.
- Reads and decodes the industry 2D codes.
- Provides high efficiency with a 99.5% code reading success rate.

Semi-Automatic Aggregation Station

One of the most effective solutions for industries to achieve maximum efficiency in production is the combination of packaging and aggregation stages. Companies that carry out the packaging manually also obtain an effective solution with a system that carries out the aggregation and packaging stages together. VISIOTT Semi-Automatic Aggregation Station is designed considering the manual packing processes of the companies. The station performs the aggregation process using data from serialized products in multiple layers in the case. While its compact design saves space in your company, it is ergonomic with its adjustable touch screen and keyboard. Thanks to the foot pedal, it allows the operator to do the decoding, which is the first step of the aggregation process, without using hands.

The data matrix of the serialized products is easily visible on the product in each layer within the case. The system, whose position can be adjusted by a servo motor for each layer at different heights, ensures that the camera's focal length is always at the same point. Serialized products are fully analyzed with a specially designed illuminated image processing system.

When the decoding of the codes in the case is finished, the system saves the decoded codes and automatically generates the carrier unit label. The created label is applied to the case manually. The code on the carrier unit label is verified manually with a handheld scanner.

VISIOTT Semi-Automatic Aggregation Station is controlled by VISIOTT Line Manager (Level 2) software specially designed and developed by VISIOTT. It supports work order, product, and prescription systems following industrial dynamics. Fully integrated with the VISIOTT Plant Manager (Level 3) software, this software records any system activity that occurs during your operations with the user and time stamp.

You can perform your case and pallet aggregation operations following all traceability directives (eg. DSCSA, EU-FMD, SNCM) with VISIOTT Semi-Automatic Aggregation Station. You can meet your aggregation needs especially in the pharmaceutical, food, cosmetics, agrochemical and medical device industries with VISIOTT solutions. Please contact us for more detailed information.