Automatic Bundle Aggregation Station

Automatic Aggregation

Multi-Reading Functional

20 pcs/min

Special Illumination

VISIOTT|TPS
Traceable Packaging Solutions

Aggregation is vital for production, storage, and shipping operations in traceable supply chains. Therefore, many companies prefer automatic systems to ensure that the aggregation operations of their serialized products are fast and continuous. VISIOTT Automatic Bundle Aggregation Station is designed for your products that are bundled with transparent film (shrink or overwrap).

While performing multiple data matrix analyses of your products in the transparent film without stopping the production line, you save significant time and resources. You can perform your operations according to different product sizes, and observe the line by ensuring operational safety with the transparent cabinet with the help of adjustable parts of the station. Moreover, you can manually read the carrier unit labels with the help of a handheld scanner located at the station; you can perform operations such as deactivation, re-printing, viewing the connection details.

A high-resolution camera automatically resolves the data matrix under transparent film (shrink or overwrap). During analysis, the bundle moves on a horizontal conveyor. A specially designed illumination system eliminates light reflections. As the bundles move along the line, a label applicator located on the station automatically applies the carrier unit label and automatically verifies it with an industrial laser reader. If all the data matrix codes in the bundle cannot be decoded or the carrier unit label is applied incorrectly, the station rejects the faulty bundle from the line with a special rejection mechanism.

The station is controlled by VISIOTT Line Manager (Level 2) software specially designed and developed by VISIOTT and is fully integrated with the VISIOTT Plant Manager (Level 3) software. Thanks to this rational solution, you can carry out your work order and product prescription operations in accordance with the product traceability requirements (DSCSA, EU-FMD, SNCM, etc.) in various industries. Please contact us for more information.
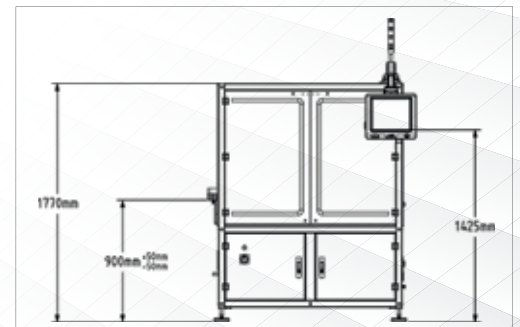
Features

- It automatically analyzes data matrix wrapped in the transparent film (shrink or overwrap) moving on the line.
- It prevents light reflections thanks to special illumination technology.
- It reads the data matrices from inside (under) transparent film with a success rate of 99.5%.
- It automatically applies and verifies the carrier unit label on the bundles.
- There is a specially designed rejection mechanism.
- It works with fewer operators.
- It has a position-adjustable touch screen, user-friendly interface.
- GMP, GAMP 5, 21 CFR Part 11 compliant.
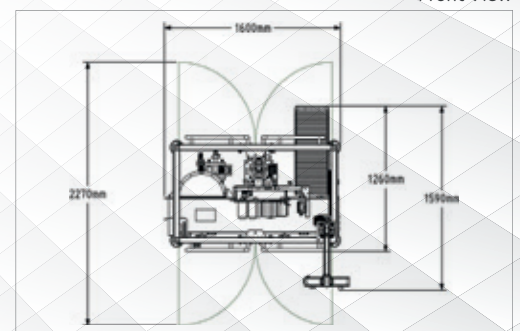
Technical Details

Camera Resolution	1600 x 1200 px
Voltage / Frequency	110 V / 220 V / 50 - 60 Hz
Dimensions (WxLxH)	1250 x 1580 x 2250 mm
Capacity (max)*	20 Bundles / Minute
Product Length Contol	Yes
Material	Stainless Steel
Computer	Fanless Industrial Computer**
Monitor	Touch Screen Industrial Monitor
Trigger	Automatic
Printer	TT
Handheld Scanner	Wireless
GAMP5 Compliance	Yes
21 CFR Part 11 Compliance	Yes
Customization Options	Yes
UPS	Optional
WiFi	Optional

*Related with product dimensions
**Optional

Front View

Top View

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