

Code Verify and Reject Station

Offline coding of mono cartons continues to be an important operation in several industries including Pharmaceuticals, Food, Automotive and Personal Care.

Code Verify and Reject (CVR) station, is designed to enhance productivity of offline mono carton coding operations. Domino Thermal inkjet printer (TIJ), R-Series Vision System integrated onto a robust carton handling system constitutes the CVR station. The system is designed to work with flexibility to add other Domino printing technologies on need basis.

This station is designed to handle mono cartons of different sizes. Inbuilt reject system gets activated basis feedback from the vision system, thereby automating the complete operation.



Improved Productivity

- ◆ Automatic Stacker - destacker enables higher productivity delivering 120 to 200 cartons per minute.
- ◆ Manpower assigned for offline printing operations will be able to deliver 40% to 60% higher number of printed mono cartons.
- ◆ Minimises wastage through inline quality check. The **R-Series** vision systems identify the print defects and provides timely feedback to initiate corrective actions



Flexibility

- ◆ Suitable for wide range of mono cartons with sizes varying from to printing of Human Readable Codes, barcodes, data matrix codes, QR codes and several other machine readable codes with inline quality check.
- ◆ Flexibility to integrate other Domino printing technologies like CIJ, Laser and Piezo Inkjets.

Reliability

- ◆ Vacuum belt conveyor ensures stable product movement.
- ◆ Robust mounting for print heads and vision system with precision adjustments ensure high quality and consistent printing.
- ◆ Printing SS and Aluminium construction for GMP environment.

www.domino-printing.com



A complete solution

Our Code Verify and Reject Station offers a range of advanced features to optimise your coding requirements.



High Quality Prints



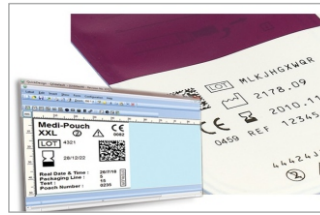
Integrates flawlessly with wide range of Domino printers, allowing for consistent and reliable code verification. Ensures synchronization between the **CVR Station** and the printing system for accurate code matching.

Vision Solution



R-Series provide high-performance code verification and inspection capabilities. Enables precise code reading, ensuring compliance with quality standards and regulatory requirements.

Quick Design



Design complex messages effortlessly using Domino **QuickDesign**. Prevent operator errors resulting in rejects & rework through automatic message assignment using factory PC.

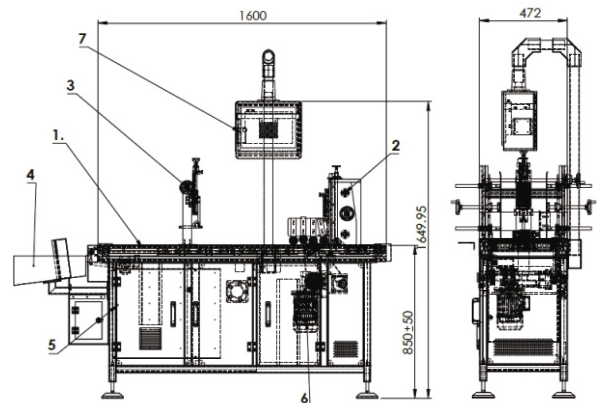
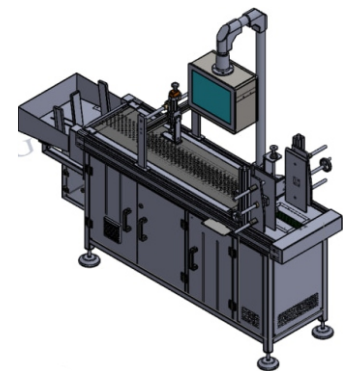
Safeguard AR



Receive support from Domino expert engineers through **Augmented Reality** application enabling faster resolution. Receive guidance on the video screen with interactive graphics and comments.

Technical specification CVR

| Printing Conveyor with Stacker & Vacuum System | Description |
|--|---|
| Dimensions size (in mm) | 1500 x 300 x 750 |
| Conveyor specifications | |
| Conveyor structure base | SS304 40 x 40 square tube |
| PVC belt | Black 2mm thick |
| Belt width | 260mm |
| Conveyor structure frame | SS304 |
| Adjustable height | ±50mm levelling base SS stud |
| Conveyor speed | 5-10 m/min |
| All 360° | Guarding |
| Conveyor side guide | With mounting bracket |
| Additional specifications | |
| Drive & Idler roller | SS304 |
| Bearing | SKF |
| Printer mounting 2 axis assembly | With digital positioner |
| Camera mounting 2 axis assembly | With digital positioner |
| Assembly done | All SS304 Fasteners, locknuts & washer |
| External | Push button, Speed adjustor, Start Stop & Emergency |
| Isolator switch | |
| Panel MOC | SS304 |
| VFD | Delta / Equivalent |
| All stainless-steel part finishing | GBP |
| Aluminium parts finishing | Hard anodize |
| Electrical motor & gear box | Bonfiglioli / Equivalent |
| Printer Options | |
| Technology | Ax-Series, Gx-Series, D-Series |
| Vision System Options | |
| Model | R150, R350, R550 |



KEY COMPONENTS OF CVR STATION

| | |
|------------------------------|---------------------|
| 1. Main Conveyor | 2. Stacker Assembly |
| 3. Printer Mounting Assembly | 4. Collection Box |
| 5. Rejection Bin | 6. Drive Unit |
| 7. Panel Box | |



TALK TO AN EXPERT

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