

SUCCESS STORY

PIR-300 Machine for Printing, Inspection and Rejection System



AN ISO 9001:2015 Certified Company

Customer

Pharmaceutical Industry

Customer requirements

Need to print on carton, to inspect and also reject if unprinted carton passes.

Orchid Solution :

Orchid make PIR-300 machine. (Printing + Inspection + Rejection)

Customer Benefits

- All Three Condition in one machine so required small space to install
- Reduces man power
- Improved Productivity and Quality.
- Better speed and Performance
- Easy to installation
- Machine Operator can easily operate Inspection camera.
- No PC required for configuration the Inspection camera.
- Reduce market complains.

Machine features

- High-Speed up to 300 CPM (Carton Per Minute)
- Integrated High-Speed Vision Inspection Camera
- Integrated Special printer for accurate printing
- Rejection system via pneumatic cylinder
- Designed for high-speed challenging application
- Troubleshooting is easy and easy to operate.
- Data Logging facility available

Machine View



Application

Reject the unprinted carton after printing and inspection of the carton

Challenge

It seems to be major challenge to synchronize between PIR-300 machine and cartoning machine (Put next behind our machine). Carton running on conveyor belt at very high speed and carton's weight is very light which creates more difficulty and changes of carton to be flipped and inclined during running machine. Due to high speed of cartoning machine and carton falling on PIR-300 machine's conveyor belt creating difficulty for Printing, Inspection and Rejection process.


Solution

Orchid Technology come up with specially designed PIR-Machine with integration of special Printer, High –Speed Vision Inspection Camera and rejection system for solving such kind of challenging applications. Printer used with encoder for accurate printing on carton. By the use of iVu inspection camera and high performance trigger sensor we have inspected one by one filled carton efficiently. When carton passes without or less printed then high –speed camera inspects the carton and generate the fail output signal and pneumatic rejection system rejects the concern carton and deposit in rejection BIN.

Learn More

Visit www.orchidtechnology.in for more application

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For more videos view our You-tube channel  **YouTube**

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