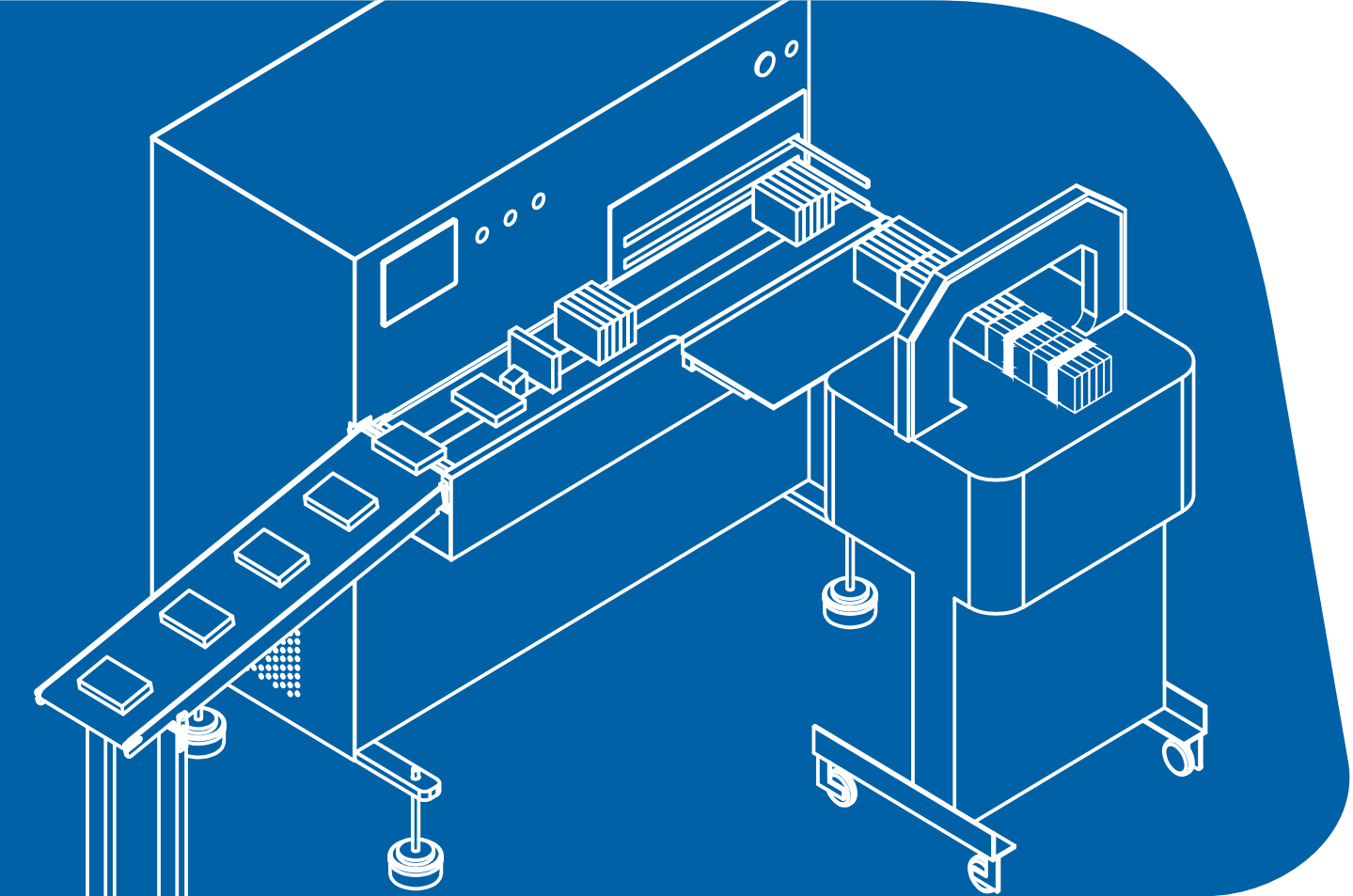




AS AUTOMATIONS

Automation in Pharma Packaging



Automation In

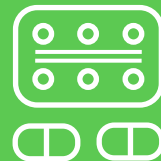
**Secondary
Packaging**



**Strip
Packaging**



**Blister
Packaging**



**Sachet
Packaging**





About Us :

Founded in 1999, A S Automations has ever since focussed on developing innovative solutions for quality control on pharma packaging machines, strictly tailored to the specific needs and real practice demands as well as with economic aspects.

Our continuous developments in instruments and processes ensure that the most modern technologies in electronics, optics and image processing are available. A S Automations offers a wide range of application specific and well-established detection systems for the control of pharmaceutical packaging. This range covers from simple control sensors to much complicated detection systems.

The production of pharmaceutical products and especially their automatic packaging requires the highest standard of safety to safeguard against errors, mix up with products or packaging material etc... According to present guidelines, packaging is to be treated in the same way as manufacturing. With both automatic and manual packaging procedures, only state-of-the-art technology can be used which is rapid, flexible and which can communicate with other systems.





Our Product Range

Automation in Secondary Packaging

Page 4 - 5

- 1) Servo Carton Collator
- 2) Servo Carton Collator With Banding Machine

Page 6 - 7

Automation in Strip Pack Machine

- 1) NFD Systems on Strip Packing Machine
 - ◆ Mechanical NFD
 - ◆ IR NFD
 - ◆ Combo NFD (Mechanical + IR)
 - ◆ NFD with Collator link-up
 - ◆ NFD with Rejection Verification
- 2) OCR Inspection System
 - ◆ Suitable for Alphanumeric Code
 - ◆ No Eye-Mark Required on Foil

Automation in Blister Pack Machine

Page 8 - 10

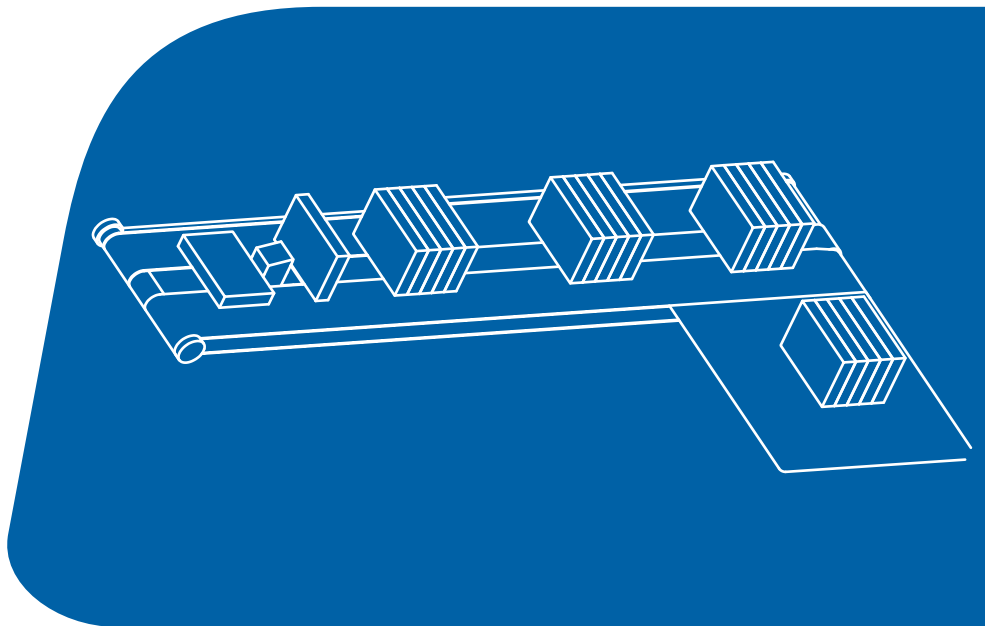
- 1) Online Product Recovery System
- 2) High Speed Blister Collator
- 3) PVC Cleaning System
- 4) Stray Product Detection
- 5) NFD on Blister Pack Machine
- 6) Rejection Verification With Web Loop Control

Page 11

Automation in Sachet Packaging

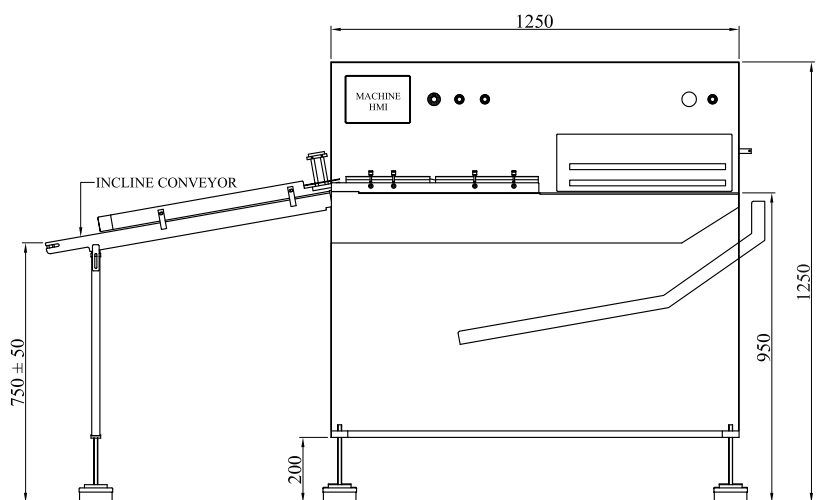
- 1) NFD System for Sachet Machine
- 2) Sachet Collator

Servo Carton Collator

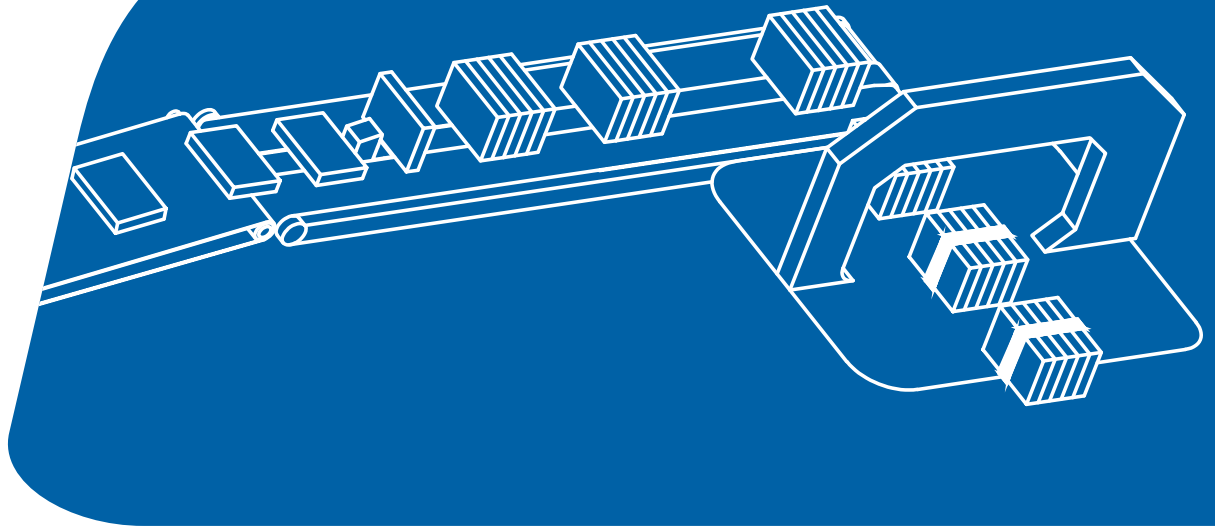


Automate your Packaging process with Servo Carton Collator

- Fully automatic and easy to operate
- Gives stack of cartons in vertical orientation for further packing
- Accurate stacking with rejection arrangement for improper stacks
- Given stack can be directly packed into outer carton/shipper
- Machine is attached at the end of secondary packaging line
- Removes the need of extra person for carton rotation & staking
- Fully servo driven machine with precise positioning
- Accurate carton rotation from horizontal to vertical
- Customise carton stack output as per outer carton / shipper requirement



Collator Specifications	
Collator Speed (Carton/min.)	150
Stack Count (No. of Cartons)	3 - 25
Machine Size (L x W x H) in mm	1250 X 1000 X 1250



Servo Carton Collator with Banding

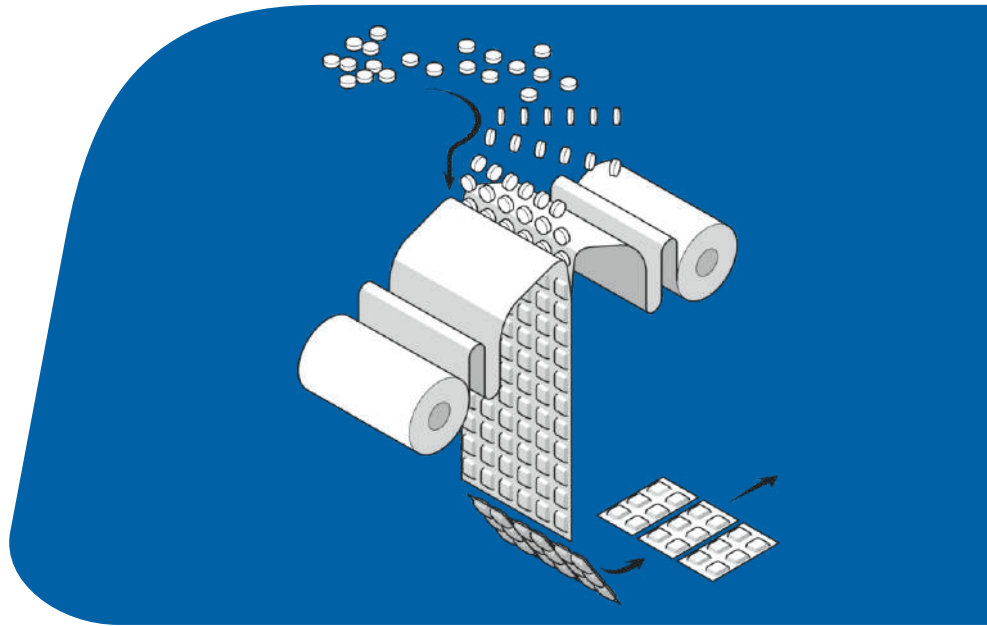
- Machine output is directly linked to banding machine
- Stack output height is 950 mm suitable for Banding M/c linkup
- Linkup to banding is compact and effortless
- Can be directly linked to Bandall banding machine or similar type machine
- Dual mode of operation - solo collator and collator with banding



Collator With Banding Specifications

Collator Speed (Carton/min.)	150
Stack Count (No. of Cartons)	3 - 25
Machine Size (L x W x H) in mm	2250 X 1000 X 1250
Banding Speed (Bands/min.)	27
Banding Band Width (in mm)	28
Banding Stack Width (Width in mm)	320

Automation In Strip Packaging



No Fill Detection (NFD) Systems on Strip Packing Machine :

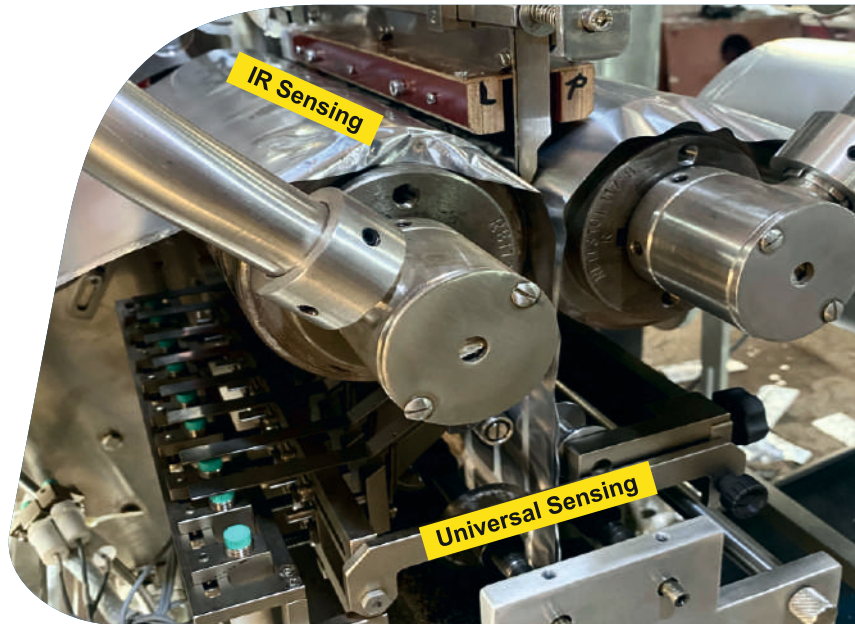
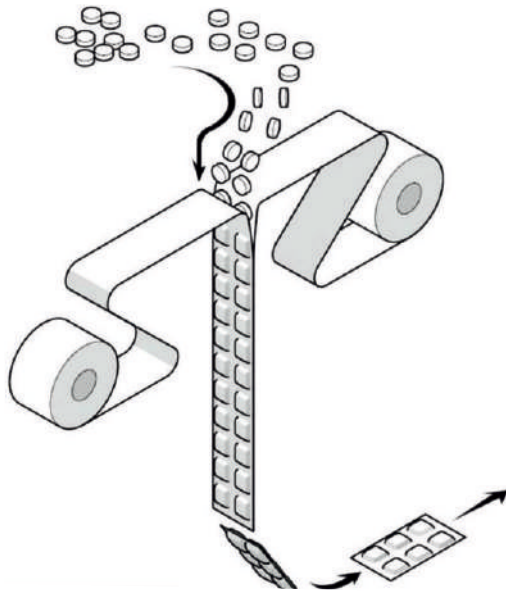
- Checks the presence of product in every cavity.
- There are two types of sensing options available :
 1. Mechanical sensing (after sealing).
 2. IR sensing (before sealing).
- Online rejection of empty & partially filled strips.
- Foil End, Foil Joint, Sealing and Dry Print rejections are available.
- Tablet hold provision for Foil Joint & Printing rejection which saves product.
- Online status of every strip with production counter is available on touch screen HMI.
- Pin hole detector can also be linked to NFD.
- **Option of integration of both strip machine & NFD control panel into one common panel with single HMI control is also available.**

1. Mechanical NFD :

- Separate mechanical roller assembly is fitted below sealing roller.
- Product is sensed by profile sensing by mechanical rollers which rest on strip surface.
- NFD is suitable up to 16 tracks.
- No change part is required.
- Mainly suitable for tablet products.

2. IR NFD :

- Separate IR sensor change part for every feeding channel.
- Suitable for capsules and very small size tablets.



3. Combo NFD : Mechanical + IR

- In this type both sensing options are provided.
- Mechanical and IR sensing are integrated in single control panel.
- Covers all strip packing products.

4. NFD With Collator Link-up :

- Combo NFD can be added to collator attached strip machine without any change.

5. NFD With Rejection Confirmation :

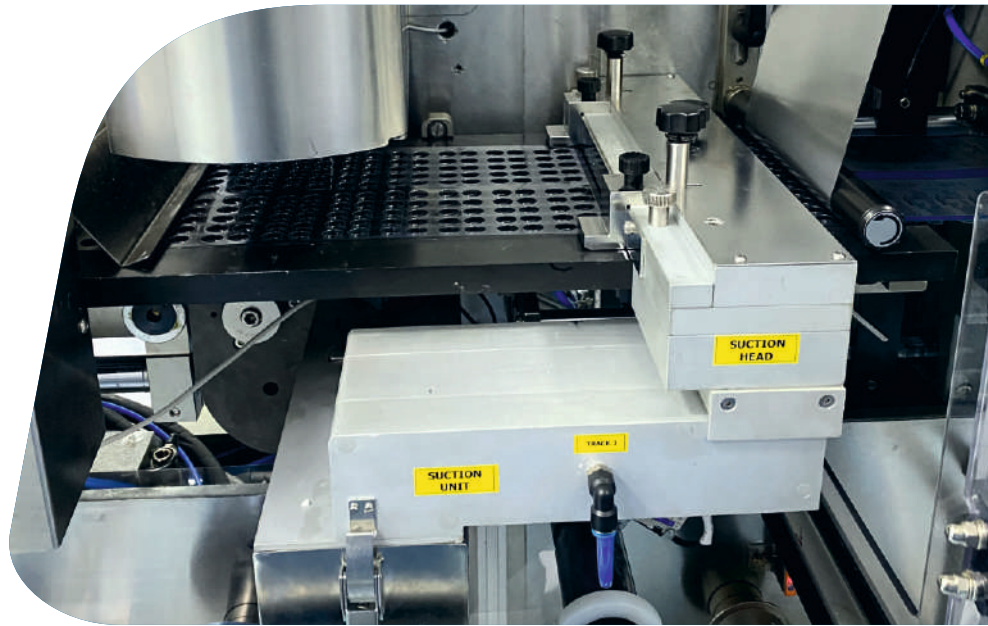
- Rejection confirmation is added for every rejected strip.

OCR Inspection System

- Online Verification of OCR in strip packaging machine.
- OCR detection without Eye mark on foil.
- Online detection and rejection of OCR.
- Product / tablet feeding stop provision in case of rejected OCR.
- Compact system with minimum space required on machine for fitment.
- Scanning up to 50 X 25 mm area.

NFD System Successfully installed on
Satellite Engineers, Sams Techno mech, Gansons,
Vilas Engineers, Hemsons Strip Pack Machines

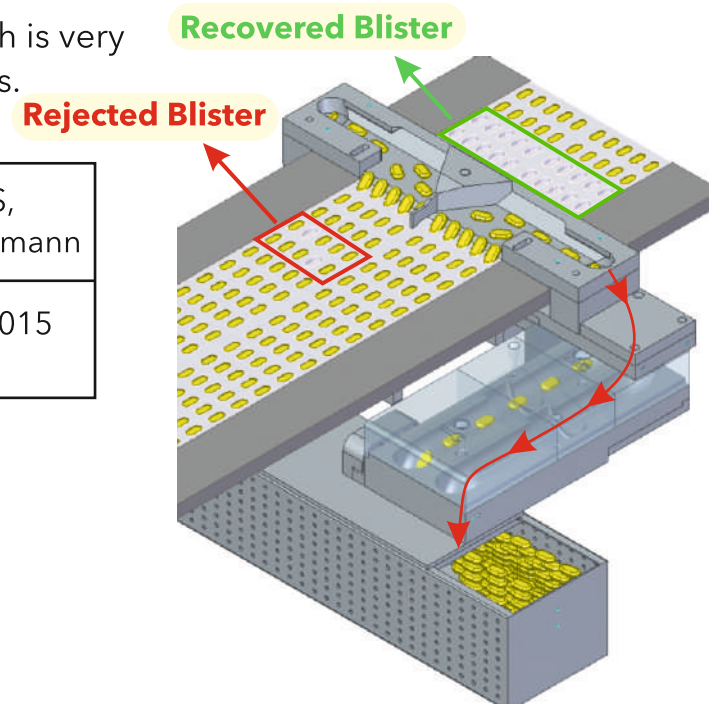
Automation In Blister Packaging

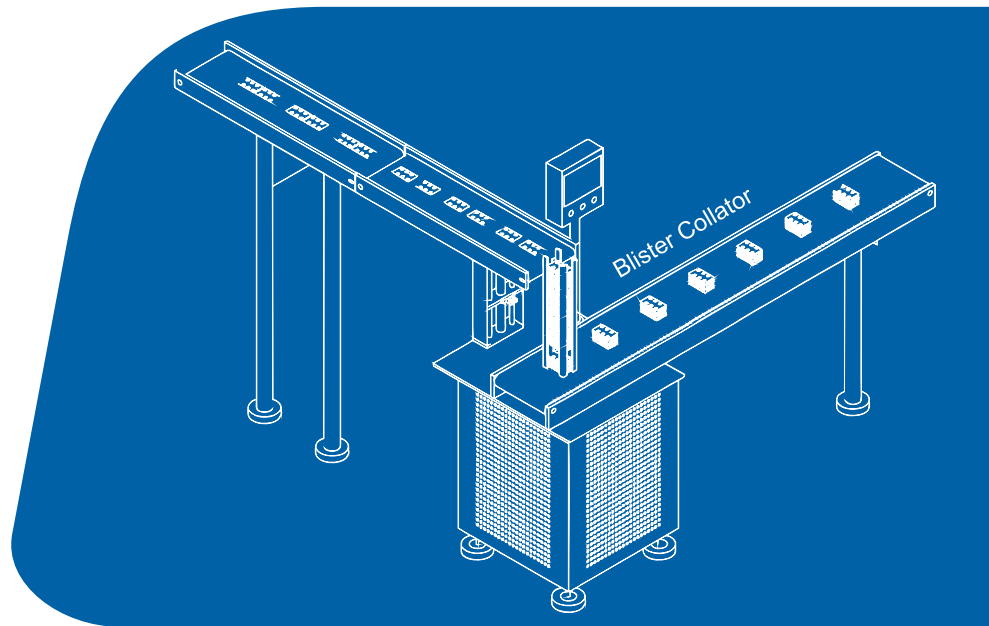


Online Product Recovery System :

- Online defoiling, packing time for each batch reduces which results in increased production.
- Product is recovered from Camera Rejected blisters.
- Recovery system is linked to machine camera.
- Recovery mounting position is before blister sealing station on guide track.
- Manual defoiling is avoided which results in manpower saving.
- Full proof system as blister rejection link is provided for each recovered blister at the punching station.
- Product remains in the same environment which is very crucial for some temperature sensitive products.
- Successfully installed on -

Continuous Motion Machine	ACG-BQS, B-MAX, 230 XTS, Rotovac 210, EPI-2500, Uhlmann
Intermittent Motion Machine	CAM-Nmx, Elmach-3010/3015





High Speed Blister Collator :

- Collation of blister to provide stack as per outer carton count.
- Directly linked to Blister machine through infeed conveyor.
- Mainly suitable for packing stack count which are beyond the cartonator capacity.
- Combi-Pack blisters as well as small size blisters can be collated.
- Suitable for offline packing operations with reduced man power requirement.
- Can be easily added in existing blister lines with few modifications.
- Stack count is programmable & to be set on system HMI.
- Suitable for most of the blister packing machines.

PVC Cleaning System :

- Automatically cleans the plain & formed PVC web which eliminate foreign particles.
- In this system air is blown on to PVC surface which releases unwanted particles which in turn get sucked via vacuum in the second section.
- This system outlet need to be connected to dust collector.
- System is mainly used to remove powder and foreign particles from PVC surface.



Stray Product Detection :

- Detects extra tablets (double tablets) on the PVC web after feeding on guide track.
- Stray Product System is very handy and fixed to guide track of blister pack.
- Can be installed on any Blister packing machine.

No Fill Detection (NFD) on Blister Machines :

- Checks presence and absence of product in a cavity.
- Low cost empty detection option.
- Very less mounting space required on machine guide track.
- Can be easily added on any blister line.
- Provision for online rejection of empty blisters.
- Universal sensing head suitable up to 15 track change part.
- Forming, Sealing, Dry ink & Foil Joint rejections provision is available.

Rejection Confirmation with Web Loop Control :

- Check loop length of sealed blister web.
- Compact system with no change part.
- Suitable for all types of blister pack machines.

Automation In Sachet Packaging



1. Sachet NFD System :

- Checks contents inside the sachet after sealing.
- Servo based mechanism which synchronises with machine speed.
- Online rejection of empty sachets.
- Production counter is provided.
- Successfully installed on Wraptech, Mespac, Easysnap, V-shapes sachet packing lines.

2. Sachet Collator :

- Collation stack is programmable from 5 to 20.
- Sachets will be picked up at the output of check-weigher machine.
- Can be linked to any sachet packing line.
- Stand alone Sachet Collator can be provided for offline packing.



Clientele :



Scan for Website



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