

V-Pixel

***“Partner in Inspection and
Track & Trace Systems”***



ABOUT ——— COMPANY

We design and build highly reliable **Vision Inspection Systems** and **Track & Trace** used for quality control in major industries. V-pixel helps clients to meet quality standards of their products using fully automatic vision Inspection Solutions. We, at V-pixel, are more focused on delivering high speed solutions, which are easy to use at operator level.

V-pixel strives to be innovative in developing products & solutions that can add value to our customers' operations and to their brands. We Provide 24/7 Support to our customers.

All our Systems are 21 CFR Part - 11 compliant.





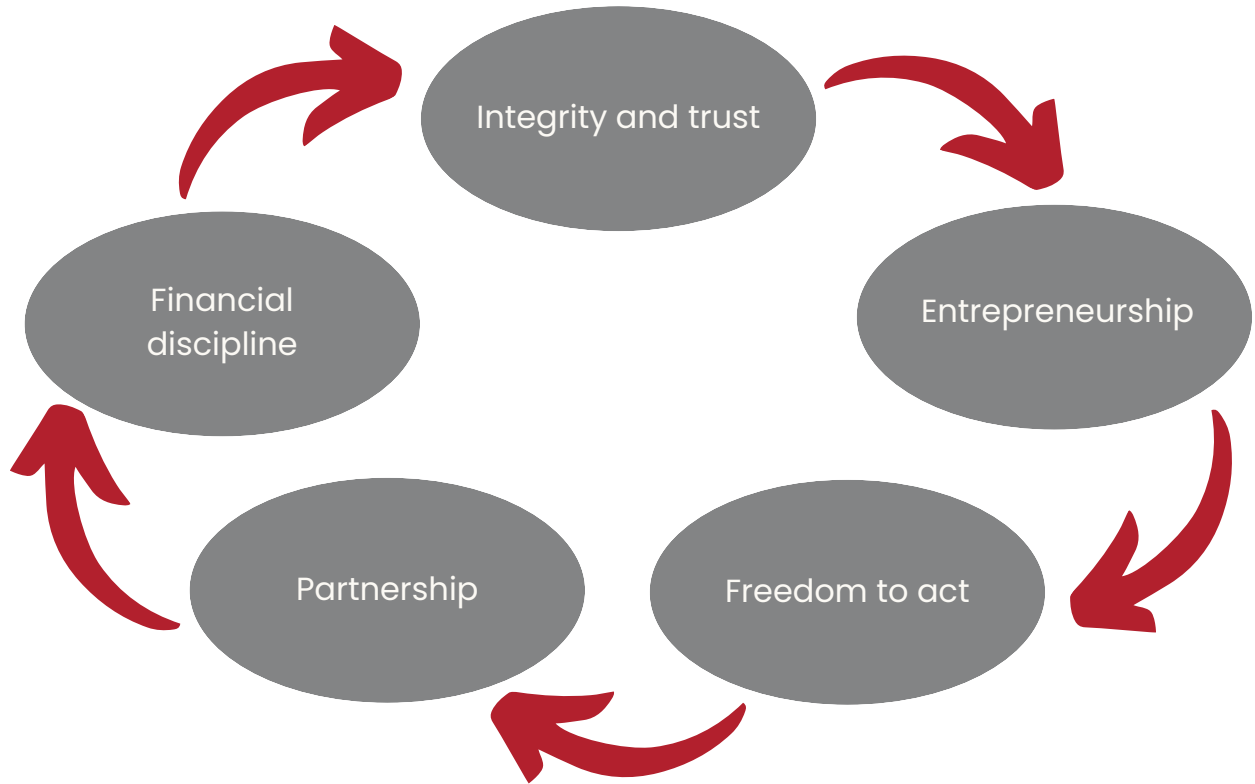
Why V-Pixel Systems :

V-Pixel Systems deliver advanced Vision Inspection and Track & Trace Solutions for the pharmaceutical and food industries, ensuring precision, compliance, and efficiency. Our 21 CFR Part 11-compliant systems meet global quality standards, offering cutting-edge technology, competitive pricing, and 24/7 service support. V-Pixel provides trusted & reliable inspection and Track & Trace solutions tailored to client's needs.

Certification



Culture & Values



Global Presence



Product Portfolio

Blister Inspection System

V-Pixel Automatic De-Blistering Machine

Pinhole detection System

Vial Tray Counting System

Print Proofing System

Label + Carton Inspection System (Barcode, Pharma-code, Data-code, OCV)

Online Serialization System (For Folded Cartons: V1)

Offline Serialization System (For Unfolded/ Flat Cartons)- VF1

Bulk Aggregation System- VA1

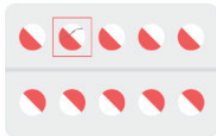
Pallet Aggregation System (Manual)

Check Weigher System

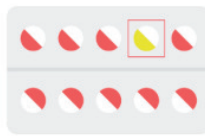
Double Side Tamper Evident Sticker Labeling Machine - VTE200

Blister Inspection System

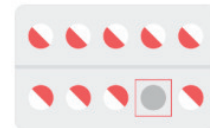
- High Resolution Camera System
- Multiple User levels Access, each secured with password protection.
- Touchscreen Monitor for Easy Configuration
- 5 Step quick job setting (within 2 minutes)
- Unlimited Template saving facility.
- User-Friendly GUI & Operation
- Minimum operator interference
- Easy retrofit on a wide range of blister packing machines
- Specially Designed Illumination for a combination of Various foils and products
- 21CFR Part 11 compliant



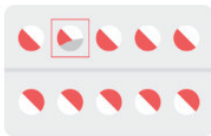
Broken or Half Tablet



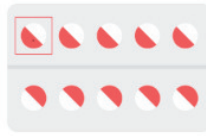
Color Difference



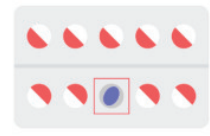
Missing Tablet



Oversized or Undersized



Particle

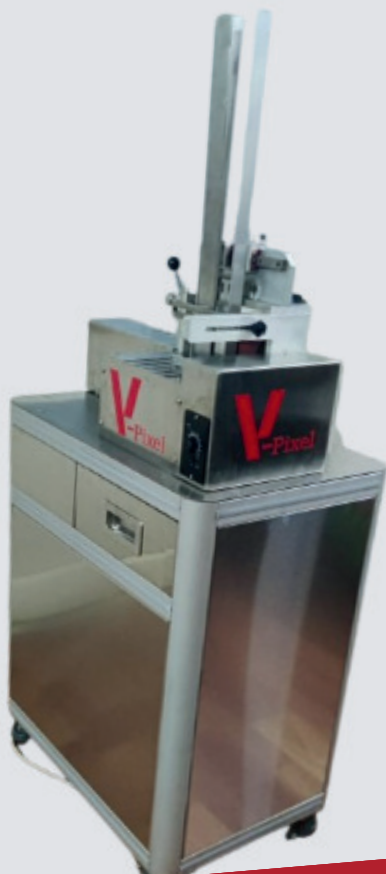


Shape Difference



V-Pixel Automatic De-Blistering Machine

- Automatic feeder.
- Compliant with cGMP norms.
- Universal type de-blistering machine, suitable for various types of blister packs.
- Compact design, with wheels for ease of movement.
- Ensures 100% recovery without damaging the product.
- Capacity of max. 50 blisters per minute (Variable speed available) .
- Easy to operate, user friendly.
- Automatic product separation from rejected blisters.
- Collection tray for recovered product.
- All the contact parts in SS 316 & non-contact parts in SS 304 & Alu. HE-30.
- Easy cleaning, hygienic, maintenance-free - changeover under 5min.
- 21CFR Part 11 compliant



Pinhole detection System

- Pinhole detection system for 10 μm sized pinholes, pores, fissures, foil fractures and cracks on aluminum blister packs at very high speed, impossible to be seen by human eyes.
- Sensitivity adjustable to detect up to 10 μm sized holes at the speed up to 1800 m/hr.
- Quick setup: "PLUG n PLAY" configuration with just 3 buttons
- Stand-alone System. No PLC/PC dependency for rejection
- Continuous self-diagnostics ensures 100% inspection reliability
- 21 CFR PART 11 compliant



Vial Tray Counting System

- High Resolution Camera.
- Standalone Portable Unit with smaller footprint. Can be place in any area.
- Includes label printer inside the unit for easy operations.
- Put the tray and label will be generated automatically with actual vial status.
- Peelable/Removable Label for easy process.
- Live monitoring for visual reference.
- High resolution camera for accurate counting.
- Compatible with any color and any size of vials.
- Feasible for tray sizes with Length & Width between 200mm-450mm.
- System saves each tray image for verification.
- Detailed batch report & Summarized Batch Report
- System can be connected to plant network for batch report printing and network backup.
- 21CFR Part 11 compliant.

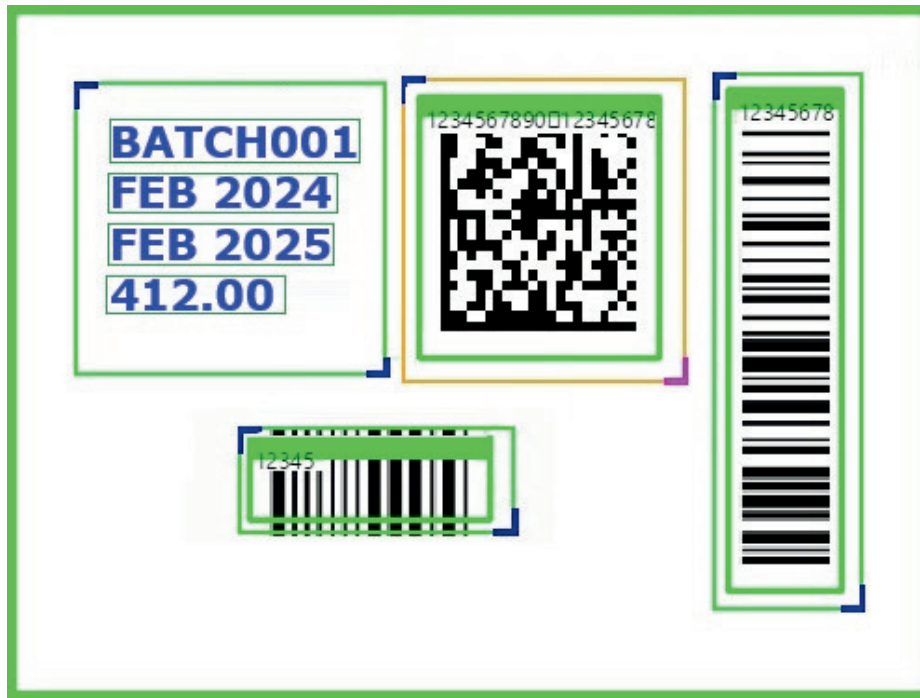


Print Proofing System

COMPOSITION : Each 5 ml. Contains Paracetamol IP 125 mg Phenylephrine Hydrochloride IP 5 mg Cetirizine Hydrochloride IP 2 mg Flavoured syrupy base q.s. Colour : Sunset Yellow FCF Dosage : As directed by the Physician. Storage : Store in a cool and dark place, protect from heat and moisture Keep medicines out of reach of children. SCHEDULE H PRESCRIPTION DRUG : CAUTION : Not to be sold by retail on the prescription of a Registered Medical Practitioner. Caution : Taking more than daily dose of Paracetamol may cause serious liver damage or allergic reactions. (eg. swelling of the face, mouth and throat difficulty in breathing, itching or rash.) Mfd. by: DSR Life Care Vill Gullarwala Baddi, Distt Solan (H.P.) 173205	R_x Aminov Paracetamol, Phenylephrine Hcl & Cetirizine Hcl. Suspension Amicold Plus Suspension Decongestant Anti-Allergic & Analgesic - Antipyretic SYRUP 60ml 	Mfg. Lic. No.: MNB/16/935 & MB/16/936 Batch No. : घान संख्या Mfg. Date : उत्पादन तिथि Exp. Date : अवसान तिथि M.R.P. Rs. : अधिकतम खुदरा मूल्य रु. Inclusive of all taxes सभी करों सहित Aminov Marketed by: AMINOV HEALTHCARE (P) LTD Mascots, Times Square 7th & 8th floor, Andheri (E) Western Express highway Mumbai, MH-400069 SHAKE WELL BEFORE USE
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- High Resolution Camera.
- Quickly establish product quality inspection standard recipe, which can be used as reference
- Automated job setup with user-friendly configuration.
- The operator can provide different tolerance levels for different regions hence assuring only critical defects will be rejected.
- The clear presentation of deviations and key statistical information – such as the defect heat-map – helps the operator to understand the location and origin of printing defects easily.
- 24X7 Remote Software Assistance
- 21CFR Part 11 compliant

Label Inspection System



- High Resolution Camera.
- Barcode, Pharma-code, OCR. our universal vision inspection system capable of detecting and verifying all major barcodes, data matrix 2D codes, Pharmacode, batch details, logo check and artwork on all types of cartons and labels.
- It is Suitable for all types of cartoning and labeling machines.
- It provides Easy and flexible mounting of the camera.
- It has Smart OCR which is able to read all types of fonts.
- 21 CFR part 11 compliant

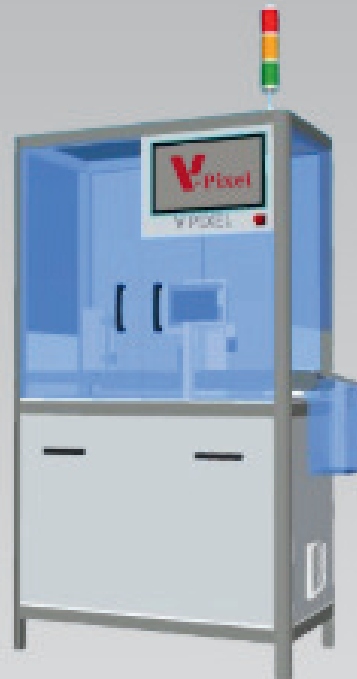
Online Serialization System (For Folded Cartons: V1)



- V-Pixel Online Serialization System (V1) is suitable for high speed online carton printing, verification and rejection.
- Suitable for both offline and online printing & inspection of 2D and OCR codes.
- Easy to integrate within existing lines
- Accurate carton movement and high quality printing to guarantee the lowest
- rejections.
- Online print system supports all types of thermal inkjet printers.
- 21 CFR Part 11 compliant.

Offline Serialization System (For Unfolded carton)- VF1

- Our state-of-the-art offline conveyor system suitable for both low and high speed online carton printing, verification and rejection.
- Compact, cGMP compliant machine design.
- Accurate carton movement and high quality printing to guarantee the lowest rejections.
- Easy to integrate within existing lines.
- Suitable for both offline and online printing & inspection of 2D and OCR codes.
- 21 CFR Part 11 compliant.



Bulk Aggregation System- VA1



- V-Pixel Bulk Aggregation System is used for top view inspection, Can easily be connected to our
- system, easy to handle yet highly effective with 99% fault reduction.
- Shipping level box inspection.
- High Resolution camera for inspecting large field of view.
- Layer wise multi level inspection possibilities.
- Can Inspect up to 150 2D codes in single scan.
- Our enhanced solution for box level inspection.
- Suitable for cartons, shrink wrapped cartons and bottles.
- Shipping code generation.
- 21 CFR Part 11 compliant.

Pallet Aggregation System (Manual)



- Manually records the link between each unit's unique serial number and the container's unique identifier.
- Streamlines packaging and shipping processes.
- Simplifies aggregation while maintaining high accuracy in tracking and traceability.
- Enhances operational efficiency in pharmaceutical logistics. High-speed processor for smooth, efficient operations.
- Advanced wired and wireless scanning technology.
- CE-certified for quality and safety compliance.
- 21 CFR Part 11 compliant.

V-Pixel Check Weigher System



Checkweigher for online dynamic weighing

Checkweigher is specifically designed to meet pharmaceutical Good Manufacturing Practice (GMP) standards, while delivering the highest level of accuracy and reliability with pneumatic air nozzle for Over/Under weight product rejection mechanism. Our checkweigher also complies with validation regulations like 21 CFR Part 11

MECHANICAL

- Servo driven weighing conveyor.
- Lateral guide rails
- Rejection bin, lockable

DIMENSIONS

- Conveyor width : 200 mm
- Working Height 800mm with Adjustable up-to +/- 50mm
- Weighing conveyor length: 300-500 mm
- Infeed conveyor length: 300-600 mm
- Outfeed conveyor length: 300-600 mm

ELECTRONIC

- Tower Light with buzzer for audio visual indication.
- Expandable product parameter memory
- PLC Controlled
- 7"/10" HMI Display
- Product & Rejection Sensor
- UPS

MONITORING

- Product flow control
- Pressure switch.
- Emergency stop

TECHNICAL DATA

- Load Cell type: Digital.
- Load Cell Certification: NAWI (OIML R76) & AWI (OIML R51 & R61)
- Product weight :1 g to 500g
- Displayed value: From $\geq 0.1g$
- Readability: 0.1g
- Standard deviation: +/- 1g
- Max. output: 150 pcs/min (Depends on product size)

Double Side Tamper Evident Sticker Labeling Machine - VTE200



Double Side Tamper Evident Sticker Labeling Machine - VTE200

Double Side Sticker Labelling Machine is suitable for applying Sticker on various type of Box or Film roll used in Packaging Industries. Security label applicator machine also suitable to apply small labels on Film roll. It is capable of Labelling up to 250 cartons per minute depending on Length of Film Roll. Our other range of machines is also suitable for Security Label Application or Sticker on various products with requires speed. Machines having required all basic features as a standard fitment to match the current market needs and also saves cost and time.

Technical Details:

- PLC & HMI make will be Delta / Schneider /Siemens or Equivalent
- Core Dia: 75/76 mm
- Electrical: 220 VAC Single Phase Power Supply (50/60 Hz)
- Power: 2 Amps. Capacity: 2 Kw
- Speed: Up to 250-300 Cartons per minute –depending on product and Label size
- Conveyor Height:865 –960 mm
- Equipped with 21 CFR
- Equipped with Cabinet
- Equipped with rejection system with proxy sensor
- Cartoon length: 50mm – 250mm
- Cartoon Height: 30mm – 150mm
- Label Size: 10 x 10 mm to 50 x 50 mm

Salient Features:

- Total S.S. GMP Model
- High Production Speeds.
- Accurate label placement.
- Full Security Package including counter.
- No change parts requirements.
- Count is display as per product labelling.
- Delrin / Slat conveyor with a vary speed for product.
- Height adjustable stabilizer belt will be provided over the conveyor for holding the carton during labelling.
- PLC controlled label dispenser with SERVO MOTOR with driver will be provided on both sides for double side labelling. (Label placement accuracy on dispenser will be ± 1.00 mm to ± 1.5 mm)
- All outer coverings of the body frame will be of S.S. duly matt finish



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