

# PNS FAMILY

- Smart Serialization
- T & T solution
- Ensuring completeness & correctness

## Pioneering Novel Solutions

Globally, mis-labelling and erroneous printing in the Pharmaceutical industry has been the primary cause of concern accounting for more than 22% health issues. It has been the primary concern based on which all countries have created stringent laws to avoid such mishaps.

To prevent the same happening to your Organization, Process or Product, Shubham Automation presents an innovative product Print n Spect designed to alleviate your printing and checking pains.

## Your Strategic Advantage

Print n Spect essentially prints & checks different code and human readable information at all levels of packing area. This area could either be the primary labeling machine or the blister line. This is followed by secondary line in the cartonator and direct printing on shipper. The process then culminates with print n apply label on shipper as well as code verification through vision system in tertiary packing line.

To suit each requirement, we have separate models.

- PNS - PRIMARY
- PNS - SECONDARY
- PNS - TERTIARY



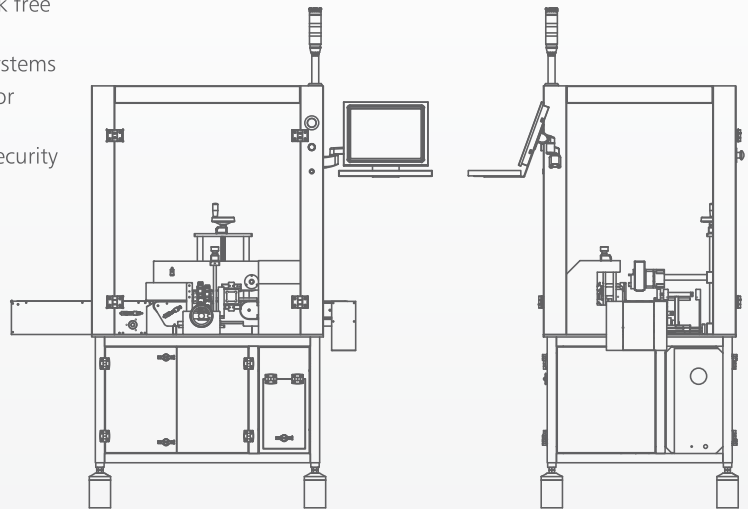
## Features & Characteristics

- To print and Inspect on any surface in Packing vertical
- It covers Primary , Secondary & Tertiary level of packing
- Any object like label, carton, foil, shipper, cap, bottle, vial or ampoule
- Any surface like varnish, non-varnish, laminated, foil & glass
- Any background like shiny, glossy , mat or dull
- Any printing technology like Continuous Ink Jet, Thermal Ink Jet, Laser, TTO, Stereo
- Integration with any packing machine like Sticker Labeling, cartonator, blister, Strip
- Any combination of printer with vision system
- Multiple camera support through SMART EYE Software
- Centralized control of Printer & vision system for message security
- High speed printing & inspection through LAN / Serial connectivity with Printer & vision
- Special hardware range for Camera, Illumination & Lens
- Speed of printing & inspection up to 600 message / minute
- Highly efficient tools for OCR, OPC , 1D & 2D

# PNS –TB

## Features

- Easily integrates with any cartonator / check weigher / packing conveyor
- Top-Bottom type conveying technology gives accurate and jerk free movements of cartons
- Single mounting for precise position of the Printer & Vision Systems
- Equipped with High Resolution Camera and Megapixel Lens for precise decoding of Data Matrix and Over coding
- Centralised control of Printer and vision system for message security
- Multiple camera support through EZ-PNS software
- Multiple printing technology support like TIJ, Laser
- Speed of Printing & Inspection up to 250 per minute
- Highly Efficient tools for best vision performance
- User Friendly Operating Software with 21 CFR Compliance
- Large colour display for ease of use and view
- Encoder based logic to control rejection
- Easily integrates & Works best with Our T &T software- SMART TRACKER as well as any Third party software
- Fully Safe & Compact design



## Model Specifications

### Technical Details

### Carton printing and Inspection System

Cabinet Housing	Structure made from SS 304 with Acrylic Doors
Display	15.6 inch Color touch display
Signal Light	3 Stack Signal light for visualization of operating mode
Printing Technology Support	Thermal Inkjet (TIJ), Continuous Ink jet (CIJ), Laser
Camera Support	High Resolution Gig E vision hardware with special designed light
Vision Tools	OCR/OCV, Datamatrix, Pharmacode, 1D Barcode, Pattern Matching
Conveying Mechanism	Top-Bottom Pressing type rubber Coated PVC belt
Machine Dimensions in mm	700 (L) x 950 (W) x 1650 (H)
Speed in PPM (Product Per Minute)	250 PPM
Product Suitability	folded Carton with Printing on Flap side
Height adjustments for Products In mm	120 mm
Overall height incl. Signal Light in mm	1650 (H) (Adjustable)
Working Height in mm	850 (H) (Adjustable)
Supply	230 VAC

Note that all dimensions of the machine are vary according to final object's shape & size.  
Company can change any dimension or design of the machine without any concern or notice.



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