

TPL-30 Series Semi-Automated Al Pen Labeller Fixed Format Pen Labeller with Thermal Transfer Printer



Fixed Format Auto Injector Pen Labeller - Typical Configuration

Pens are manually loaded into the machine, labelling up to 30 pens/min. The labeller prints three lines of batch data (LOT, MFG, EXP), entered manually via the HMI or automatically downloaded from an MES/ SCADA system. Vision inspection cameras verify label position, presence, and variable batch data. Pens with non-conforming labels are rejected into a bin, with reject verification, machine stoppage after three consecutive rejects, or bin full alerts. Verified pens are either manually removed or transferred to a buffer area holding up to 30 pens.

Features and Benefits

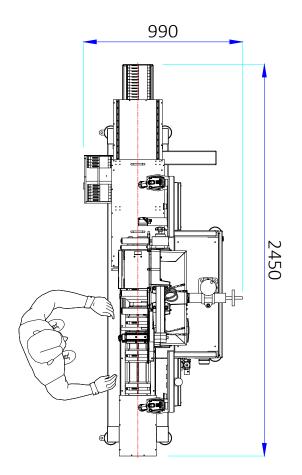
- Pen carriers with rollers for correct labelling postioning
- Ergonomic design within a compact footprint
- Easy access for line clearance, cleaning and maintenance
- Colour touch screen operator HMI
- Gentle product handling via servo control
- OCR and 2D data matrix verification of variable data
- Vision inspection of label position/ presence with reject
- CE marked and issued with CE cert of conformance

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Technical Information

| Base Machine Modules | Control Panel – AISI 304L, IP66 Servo Controlled Transfer Conveyor Auto Injector Pen Carriers Thermal Transfer Print and Apply Labeller Vision Inspection and Verification System Integrated Reject Bin with Reject Verification |
|-------------------------|---|
| Machine Frame | 304 Stainless Steel with Polished Finish Anti-Vibration Support Structure GMP Features to Prevent Contamination |
| Control System | - Allen Bradley, Schneider or Siemens Options |
| Software Functions | Format Control Settings List/ Data Location Connection to MES/ SCADA Verification of Batch Data and 2D Matrix 21 CFR Part 11/ EU Annex 11 Ready |
| Safety | E-Stop On The Main Operator PanelPower Isolator With LOTO |



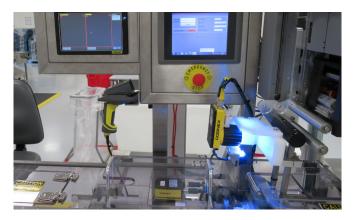
2D Layout of Auto Injector Pen Labeller - Typical Configuration

Operator Interface

| HMI Display | Colour Touch Screen Fixed Mounting In Stainless Steel Panel |
|----------------|---|
| Operator | Alarms, Warnings, Operator Prompt Messages I/O Status Check Machine State (Ready, Running, Alarm, etc.) Counters (Throughput Rate, etc.) Standard Password Protected Local Machine |
| Controls | Access Levels |

Service Specifications

| Electrical Supply | - 400v, 50Hz, 3 Phase, Neutral + Earth |
|-------------------|--|
| Compressed Air | - 6 Bar Clean Dry Compressed Air |
| Control Voltage | - 24 V DC (Internal) |
| Pneumatics | - Festo, SMC or Bosch Rexroth |



Print and Apply Labeller and Vision Inspection System



2D Matrix, OCR and Label Position Inspection and Verification

Customised Engineering & Integration

24/7 Technical Support

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