Print Verification System

CSPL 550

PRINT & VERIFY

Specific requirements for Global Serialisation as per GS1 in the Pharmaceutical Industry, require a variable Data Printing Solution. CSPL culture has been shown in our solutions, built with standards of GMP. Data Security is our prime focus, where we follow guideline of 21 CFR Part 11 and Barcode Reading Tolls follow the ISO Standards of 15415 & 15416.

CSPL 550"Print and Verification System" is a fast and reliable system to fulfil all requirements for printing either UID or Serial number on medicine instruction manuals. Not only compact modular but also combines all necessary functions in a small footprint and seamlessly integrates with existing folding machines. Option to add feeding mechanism to operate as a standalone system. This gives a comprehensive system solution that gives you the flexibility to adapt necessary work flow.

Powerful front-end (GUI) software gives access control for Operator, Supervisor, Manager and Admin level to ensure the security and functionality.

Edge over advantages are eye opening to think beyond key benefits like compact design, easy to operate, optional attachment to operate stand alone and yet comply all audit needs of Pharmaceutical industry.

Technical Specification

Compliance to	: CE directives. 21 CFR part 11
Machine dimensions	: Length 530 mm Width 570 mm Height 1345 mm (110 ± 50)
Working height	: 690 mm (110 ± 50)
Weight	: 100 kg (approx.)
Belt speed	: 10-15 m/min
Running direction	: Right to Left
Cabinet	: Mild steel with key locked space for controller and reject bin
Rejection bin	: Mild steel reject bin secured with key lock
Rejection system	: Air pressure blow
Mountings	: Integrated mounting bracket for print head and camera positioning
Emergency operation	: Switch on front panel. Hardware controlled emergency stop function

Connection / Input & Output

External connections	: Main power, air pressure & LAN
Electrical connection	: Voltage: 230 VAC (+ 10%)
Frequency	: 50 / 60 Hz
Air pressure input	: Moisture and oil free 5 to 7 bar air supply
Product position	: Through Sensor & Encoder tracking
Machine controller	: PLC
Input / Output	: 8 Input & 6 Output

Printing System

Technology	: Print heads TIJ 2.5 technology
Print height	: 12.7 mm / ½" pen
Resolution	: Up to 600 dpi
Print distance	: 0.5-5.0 mm dependent on ink and speed, typically 0.5-2.0 mm (nozzle to print surface)
Ink supply	: Ink cartridges, water and solvent based inks

Vision System

Camera & lenses resolution	: 0.3 megapixel image base vision system
Inspection area	: 40 (H) x 55(W) mm
Light	: Inbuilt multi color integrated light shielding
Verification	: 2D codes
Data matrix standard	: According to GS1 and ISO/IEC 16022

Production

Print position	: Print from top
Outserts size (min. - max.)	A: 27 x 27 mm - 150 x 80 mm (height) B: 3 - 18 mm (Thickness)
Throughput	: Up to 150 Outserts per minute. (Depend on Outserts Size)
Precise position	: Queue Management for Outserts
Display	: 18.5"+ Monitor
Software	: CSPL 550 GUI to control all parameters and to comply 21 CFR Part 11

Interlocking

Queue control management for accepted Outserts & rejection Outserts. Errors & Warning alarm log with time stamp for
• Emergency Stop
• Product Sensor Block
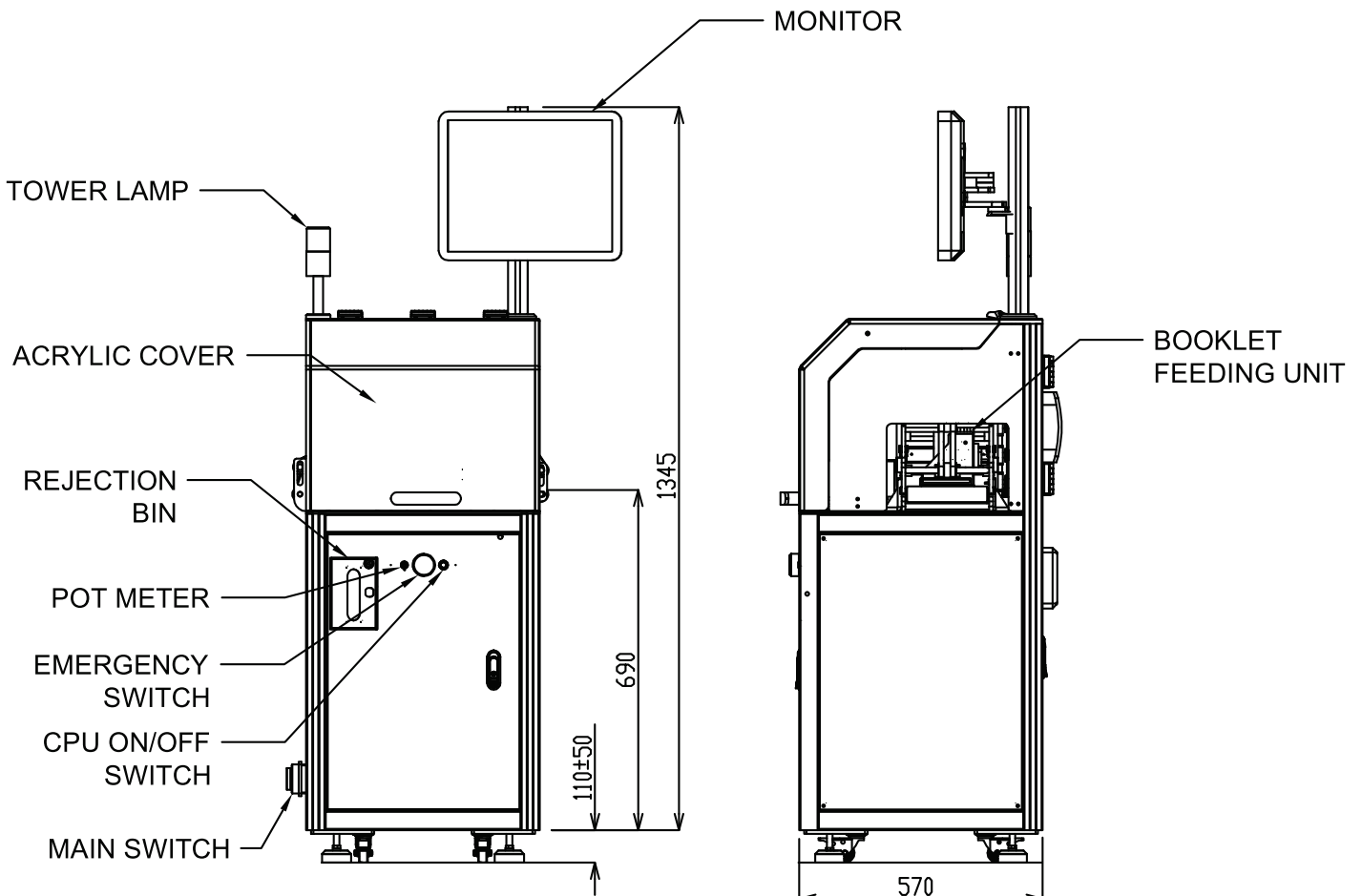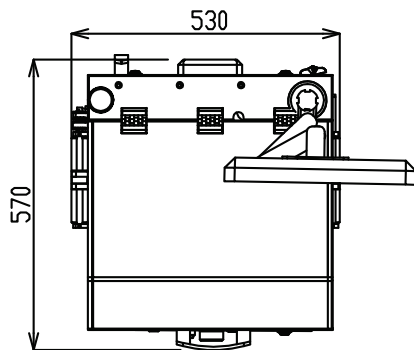• Queue Missing
• Accepted sensor Block

Report Output

Batch Summery Report, Batch Detail Report, Audit Trail Report, Alarm Log Report, Sample Report

Convincing Highlights

• Occupy small floor space
• 21 CFR part 11 compliance
• Economical Solution
• Flexible to work with data base either self-generated, Serial Number or remote flat file communication
• Audit trail reports
• Top and Bottom belt synchronised on single drive
• Lockable Rejection bin

GA Drawing

- MONITOR
- TOWER LAMP
- ACRYLIC COVER
- REJECTION BIN
- POT METER
- EMERGENCY SWITCH
- CPU ON/OFF SWITCH
- MAIN SWITCH
- BOOKLET FEEDING UNIT

530
570
1345
690
110±50
570

Global Presence

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