

Thinking...

## Line Manager

Your QUEST ends here

# CSPL **500** PRINT & VERIFY



The software is access controlled at different levels through password protection. Line manager is upgradable and offers multilingual software support. Line manager is designed for single point data entry and report generation to meet regulatory standards of 21 CFR part11.

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SYSTEMS PVT. LTD.

# CSPL LM

## Line Manager

Serialization solutions for pharmaceutical industry require, flexible seamless and scalable approach that is future ready. Condot's Line Manager is a serialization software with online print, verify and aggregation systems for packing or palletization adhering to GS1 or the country specific requirements. Line Manager can integrate with existing hardware to control modules or integrate with other modules in production line.

### Hardware Integration Capability

Line manager has facility to control each module in production line which consist off component like printer, vision, rejection marking, rejection mechanism, 'Q' control system with other interlocks of machines. Enhance capability to allow integration with other modules of production line for Up-stream and Down stream capabilities, such as check weigher, carton sealers, print & apply, cartonator, shrink tunnels, outserts, label applicators and many more equipment with communication protocol and well defined I/Os.

### Software Integration Capability

Standard software will support \*.csv file inputs and output will be in \*.csv and/or XML. Software take the data from CSV file and allocate the data as per packaging level and input file. During the production system will display the live data operation with flow chart. End of the batch, Line manager will generate the required report like Batch summary, XML, Alarm, Audit trail & Smart Audit trail report. Third Party Integration can be done easily based on standard and/or customize protocol with level 4 & 5 solution provider.

### Access Control

- The software is protected by multiple user access level control
- 4 User groups are pre-defined and functionalities can be applied in the groups, only by the administrator. A complex password protection increase security to the users.
- IT policy can be applied for users such as length & complexity of password, age of password, repeatability of password, are implemented in the system as per 21 CFR Part 11 requirements.
- An unlimited number of users can be created or as per requirements it can be Deactivated with administrator level control.

Line managers supports CSV or XML data and generates reports along with audit trail. The software is access controlled at different levels through password protection. Line manager is upgradable and offers multilingual software support. Line manager is designed for single point data entry and report generation to meet regulatory standards of 21 CFR part11.

### Validation Criteria

GTIN / Lot No. / Expiry Date / Serial / UID / Crypto Key/Crypto code/SSCC Code / Country compliance data sequence / Duplicate Code / Sample Validation / Aggregation Bundle /De-Aggregation Bundle/ Data Format / User and can be upgradable as per need of the guideline.

### Upgradation

Line Manager is upgradable at any given point of time, as per changes required by defined guidelines. Multi language software support for easy operating and understanding. Line Manager is design for single point data entry and report generation to meet the 21 CFR part 11 as per GxP in production line for regulatory and non-regulatory market.

### Main Screen



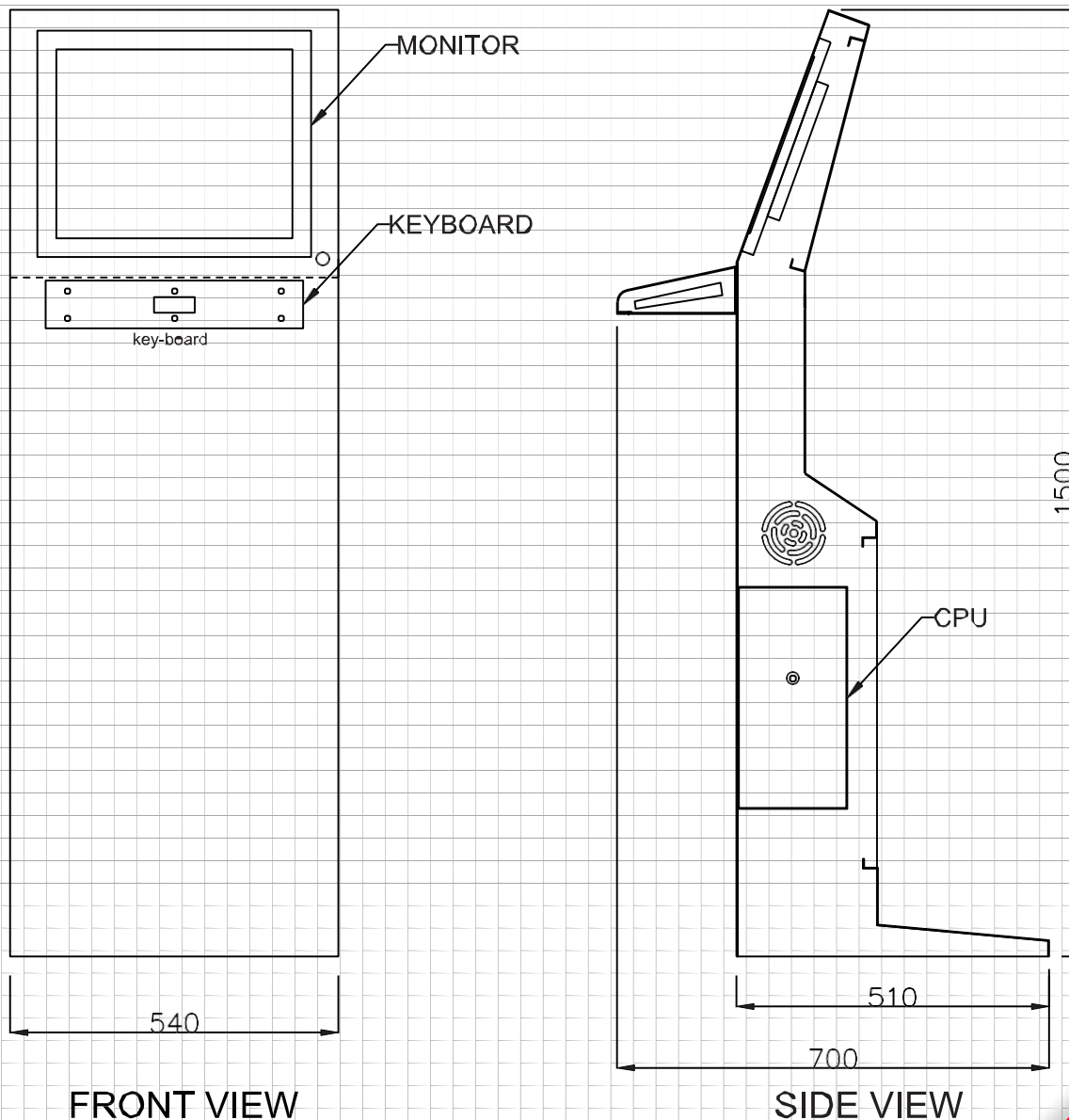
All the activities at every level from single screen which can control remotely as per the IT policy defined and configure by customer. Graphically animation of live screen is available to view each module status batch wise, UID used at each module, Rejection Ratio, Current status and pending job.

## Key Feature

### Software

- Line manager is designed on windows based software
  - Main Function is to communicating with different packaging level of module in production line depend on packing level required at the time of packing.
  - User friendly protocol for integration with ERP
  - Level 4 and 5 software solution provider can push or pull data directly from Line manager Depend on architecture of software solution in flat file
  - In case of Enterprise Server and multiple plant at multiple location with multiple production line the Line Manager (CSPL LM), capable to communicate with
- Plant Manager for job allocation, UID Management and upload the aggregated data and other non-editable report with time stamp
  - Line Manager take the batch details from source like level 4 and 5 software solution provider or Enterprise Server or ERP and allocate the job creation to different modules
  - Present Global Serialization support for country compliance, to manage UID and SSCC required in different formats. Example: DQSA need 2D and 1D both on shipper and only 1D on partial Shipper closer
  - Multiple level of packing is configured at Line Manager
  - All the activities at every level from single screen which can be control remotely as per the IT Policy defined and configure by customer

## GA Drawing



# CSPL LM

## Line Manager

- Optionally graphically animation of live screen is available to view each module status batch Wise, UID used at each module, Rejection Ratio, Current status and pending job
- Different packaging level UID/SSCC will be allocated to different module in the production line
- Can support different language for user friendly requirements
- Module add or remove from the line as per change in pack style or number of packing level is Easy to configure at Line Manager
- Data Input options are, flat file (Net folder), from Level 4/5 or from ERP system
- Job Creation
- Job Start and Stop
- Change of partial batch or re-allocation required to shift to other production line due any given Reason or to stop the partial batch is configurable
- Up-Stream & Down-stream configuration
- Upgradable to future requirement by adding additional Drivers without changing Hardware
- XML file generation as per countries guidelines
- Batch summary report generation
- Batch details report generation (Parent-child)

### Operation

- Sampling: To take the specimen for QC, Production, Shift change over etc.....
- Replace UID: Replacement of UID is possible in case of damage or other operational needs even after aggregation but before batch close
- De-aggregation: Due to any reason if De-aggregation required for aggregated data for further Process can be manage from CSPL LM

- Reprint: We can reprint the aggregated label in case of label damaged by using the High level authority
- De-commissioning: Damaged UID can be destroy during the production due any reason like Box Damaged during production handling
- Suspend Job: Suspension of job in case of break down, data can be transfer to next packing line or to Level 4/5, ERP or Net folder
- Close Batch: For final batch / XML report generation after completion of Batch

### 21 CFR Part 11

- 21 CFR Part 11 followed at single point if required since component control is just a dummy and it does not generate any report or edit of files
- Line manager is designed to control the module date and time on all the individual machine to Eliminate with date and time confusion
- Single software to generate the audit trail report from one location for multiple component
- Single software to generate the alarm report from one location for multiple component
- Multi-Level User
- User password complexity as per standard IT Policy
- Password edge is available
- Data Backup and restore are available to cater the disaster management
- With alarm alert or component failure it will stop the complete line for further process
- Module Wise Alarm error Indication
- Communication Failure between Line Manager and Modules