



Scalable labelling solutions for vials, ampoules and bottles

From clinical trials and small batches to large-scale production



Labelling solutions for vials, ampoules and bottles that meet your standards. Custom-made to your packaging lines.

The labelling solution automatically applies self-adhesive labels to vials, ampoules and bottles. The core of the solution is a base module which includes a labeler, a TT printer (or laser) and a star-wheel, integrated with inspection and reject functions of both print/label and product. The base module includes an HMI displaying the machine status and batch status. From here batches are started or stopped. New data can be sent to the printer and vision system. Messages and alarms can be read and the overall machine status can be monitored.

The process

The products are loaded from a tray onto the infeed conveyor belt which feeds the products into the star-wheel. The star-wheel transports the products to the labelling station, where a label is applied to the product. Prior to the label application, the label is printed with variable information and the print is subsequently inspected. If the print is not approved, the label is rejected before application, this to make sure that only good labels are applied to the products. After labelling the product is inspected for correct label position, label presence and if requested, label skew. All non-approved products are rejected onto the reject area. Approved products are transferred from the star-wheel onto the outfeed conveyor which feeds the products back into trays. Format parts can easily, safely and without tools be changed to fit other product sizes.



- ✓ Compact modular labelling unit
- ✓ Flexible for different products
- ✓ Fast change over - tool free
- ✓ Easy line clearance
- ✓ Operator friendly and intuitive HMI
- ✓ Small footprint
- ✓ Low noise level

From simple configurations:



Stand alone compact model: From tray to tray



In-line compact model: Connected to up-stream and down-stream equipment

To complete solutions:



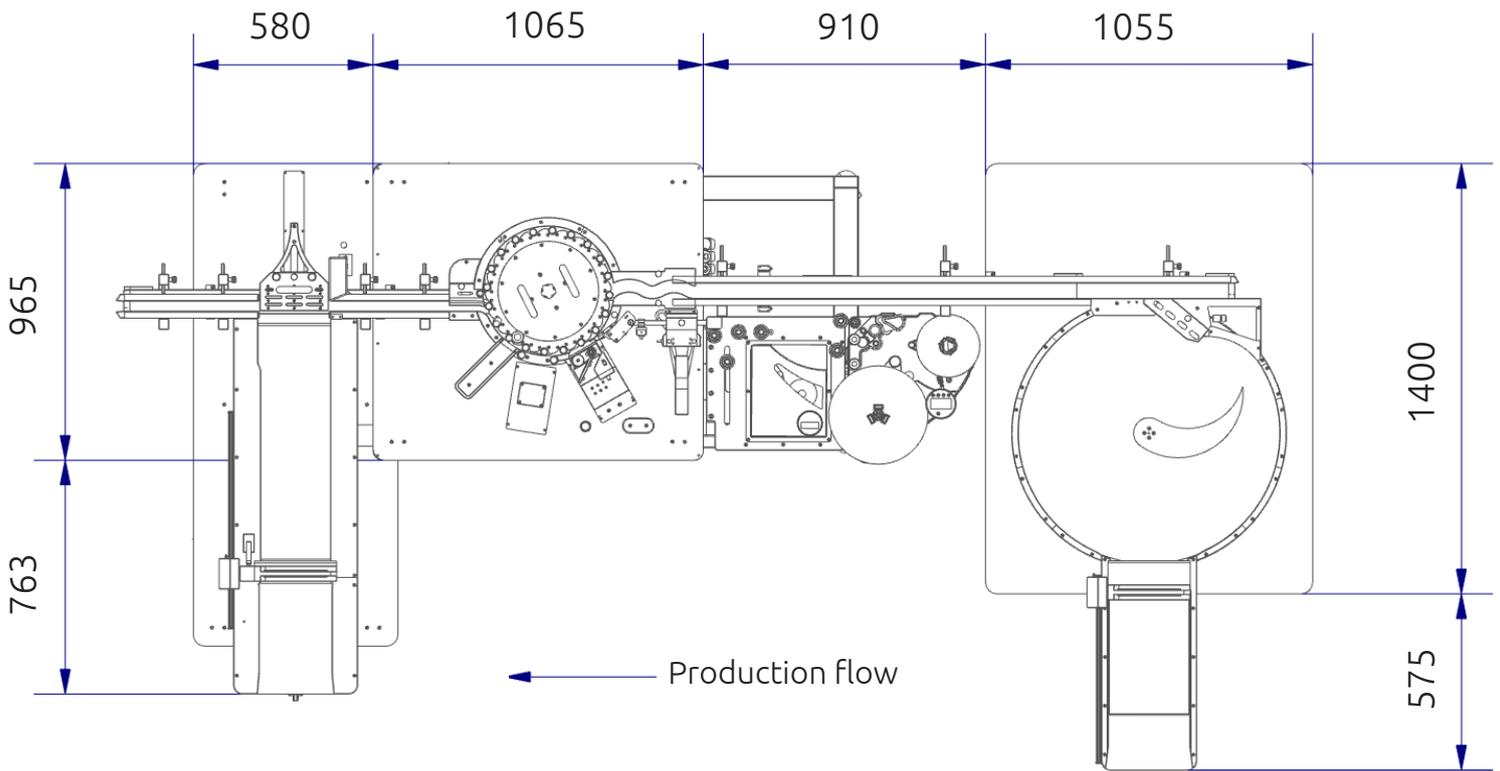
The In-line model extended to include buffer table and tray outfeed system



And with complete machine guarding

Available with customized validation services

All solutions from LSS can be delivered with customized documentation packages to support and simplify the regulatory compliance process. The packages are executed according to the cGMP and GAMP 5 regulations and certifies that the equipment has been designed, built, and operates according to your URS requirements. The validation packages can include DS, DQ, IQ/OQ and FMEA risk analysis.



Facts / Specifications

Products:	Vials, ampoules and bottles
Product material:	Glass and plastic
Product diameter:	From Ø10,75 mm - Ø50 mm
Product height:	20 mm - 100 mm
Label material:	Paper, PP, PE
Accuracy:	Skew <math><1^\circ</math> Width / Height ± 1 mm
Production flow:	LH or RH depending on customers specifications
Capacity:	Up to 400 products per minute

Print options

Thermal transfer printer

TTO printer

Laser printer

Inspection / Verification

Vial, ampule or bottle

Print on label

Precision of label on product

Reject

Non approved print / labels

Non approved products

Not approved label placement

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