Scalable solutions for precision-perfect device labelling

Standardised for biotech and pharmaceutical industries

LSS

LABELLING SYSTEMS SCANDINAVIA

Made to measure device labelling solutions that meet your standards. Custom-made to your packaging lines.

From clinical trial materials to small batch and final production, our standard labelling modules combine to fit the specific needs and scale of your production lines.
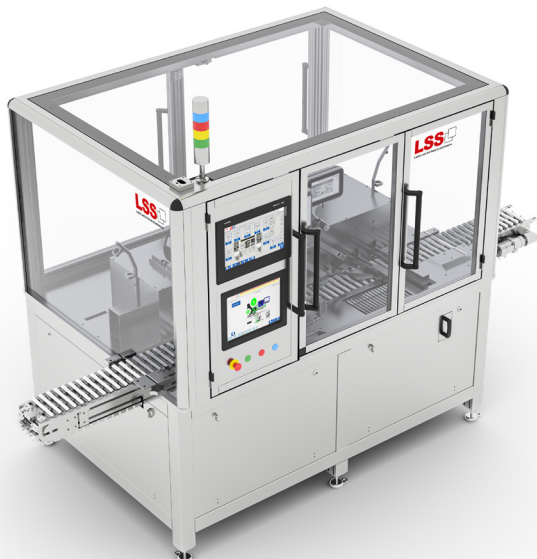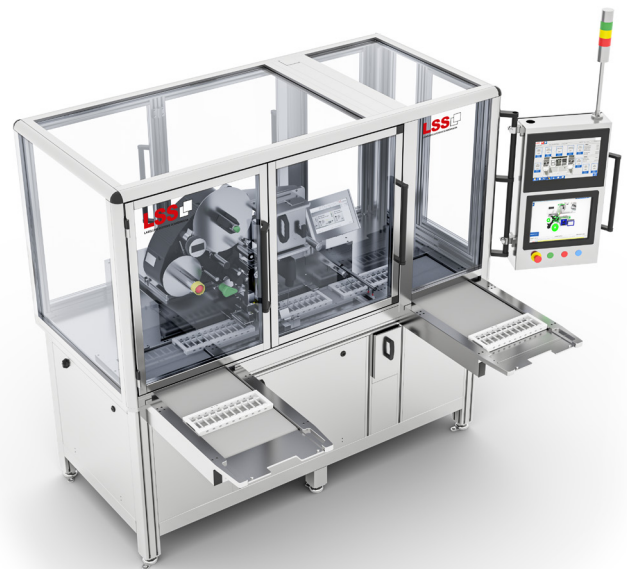
Using well-proven technology and designed for biotech and pharmaceutical applications, our labelling modules form the base element of our labelling units, and the infeed and outfeed capabilities can be adjusted according to your requirements.

Compact labelling units

Within this compact labelling unit, devices are placed in trays which are transported through the labelling module. The devices are lifted from the tray during the labelling process and placed back in the tray after labelling is complete.

Our advanced labelling units then carry out a comprehensive inspection of your devices, ensuring correct label placement. Trays with approved devices are then tansported to the out-feed conveyor, and any non-approved labels and devices are auto-rejected to ensure accuracy and efficiency.

In-line labelling modules

The in-line labelling module receives devices on the labelling unit conveyor from up-stream equipment. Here, the labelling module carries out an inspection of your devices and any variable data is printed onto the label.

Before application to the device, any non-approved labels are auto-rejected and once applied, inspection of the label placement takes place to ensure accuracy.
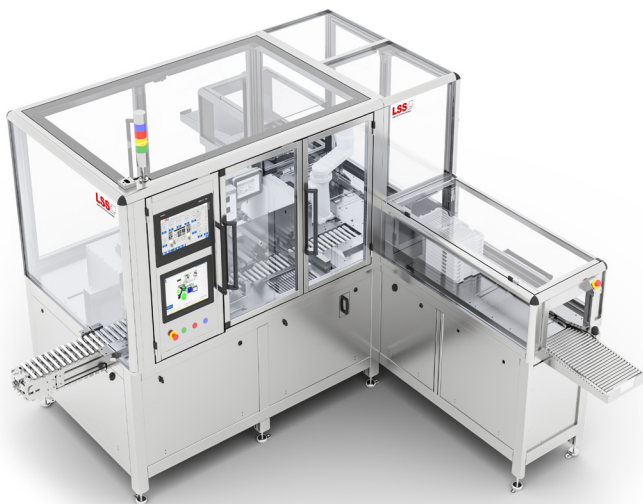
Any devices that do not receive approval after inspection are placed into the reject bin, and all approved devices are transferred out of the labelling unit for further handling by downstream equipment.

Infeed in trays - In-line outfeed

After placing trays containing the devices at the infeed module, these are then transferred to the robot station. Here a robot arm picks and places the devices on the conveyor within the labelling module.

After labelling and inspection, the approved devices are transferred out of the labelling module for further in-line handling by downstream processing equipment.

In-line infeed - Outfeed in trays

Devices are transported and transferred by the upstream processing equipment to the infeed conveyor component of the labelling module.

After labelling and inspection, the approved devices are handled by a robotic arm from the conveyor and placed into trays. The trays are transferred to the outfeed module, where the operator can collect the trays containing the approved devices.

Tray in - Tray out

If you require labelling of pens and auto-injectors, our tray-in tray-out system brings added efficiencies. Operators place trays containing the devices at the infeed module where trays are transported to a robot processing station.

Here, an infeed robotic arm handles the devices at the labelling module conveyor, while the remaining empty trays are transported to the outfeed robot arm.

Variable data is printed onto the label before being applied to the device. Once labelling is complete, all pens and auto-injectors are transferred for inspection. Any non-approved devices are placed into the reject bin, or transported to a re-work station.

The approved devices are transferred by the robot arm back into the tray and transported to the outfeed module. Here, operators can collect trays containing the approved devices ready for the next processing stage.

Facts / Specifications	
Products	Pen injectors, auto-injectors, syringes and cartridges
Product material	Glass and plastic
Product shape	Round, conical, triangular
Label material	Paper, PP, PE
Accuracy:	± 0,2mm horizontally ± 1,5mm around the circumference
Capacity	Up to 50 devices per minute Option up to 100 devices with double labelling station

Print options
Thermal transfer printer
TTO printer
Laser printer

Inspection / verification
Of device
Print on label
Precision of label on device

Reject and eject
Non approved labels
Non approved devices
Not approved label placement
Reusable devices

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