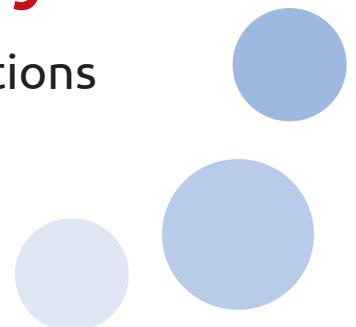




Versatile labelling solutions for the pharmaceutical industry

Reliable labelling with advanced control functions



Versatile labelling machines

Our individually designed and customized labelling solutions meets the unique requirements of the pharmaceutical industry. At LSS, your labelling projects are handled by quality-minded people with decades of experience in developing, designing, manufacturing and installing pharmaceutical labelling machines and solutions.

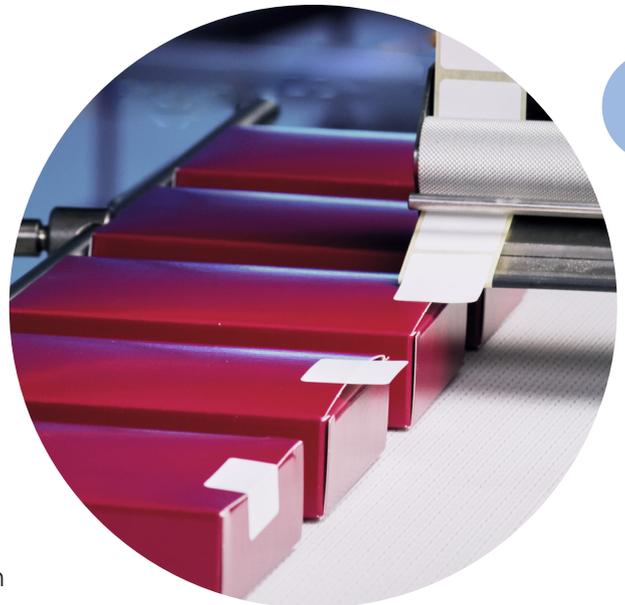
Our versatile solutions range from simple offline, automatic label dispensers, to integrated labelling projects that interface with other equipment and software – meeting the requirements of quality control, line clearance, ergonomic needs, easy cleaning and much more.



On all shapes and surfaces

Based on the size of your product surface and geometrical shape, we always design our machines around the most effective labelling principles. We are experts in product handling and our vast knowledge is your guarantee of correct and precise label application on all sorts of products, product shapes and material surfaces.

Ampoules
Syringes
Duma-containers
Glass containers
Vials
Bottles
Pens
Tubes
Boxes
Blister cards
And many others



Carton labelling and sealing

We offer labelling solutions for cartons of all sizes, ranging from labelling machines with traditional automatic labelling dispensers, to solutions for printing variable data. We can apply labels on all sides as well as adding several labels per side.

We also manufacture solutions for sealing and tamper evident labelling.



Labelling larger boxes

Whether the box is large or small and no matter what needs to be printed, or where the label will be placed on the box, we have the right solution for you. Our labelling systems are easily integrated into new and existing packaging lines – often with interface and integration to line software and ERP-systems.

Palletizing at the end of the line

We supply manual and automatic pallet labelling systems for integration at the end of the packaging line. Pallet labelling can be done automatically on one, two or three adjacent sides of the pallet – with or without stretch wrapping. Our pallet labelling systems are in full accordance with current standards for pallet labelling e.g. GS1-128, and are often integrated with existing ERP-systems.



Serialization and Tamper Evident Labelling

We see an increasing demand for solutions that prints unique data on each label and we are also experts in this specialized field.

LSS has delivered multiple solutions for these requirements, for clinical trials and for more commercial purposes. Safe registers and secure product handling are major requirements for these types of projects.

Printing with thermal transfer, laser and ink jet, as well as controlling with vision systems are within our range of know how.



Primary products

Serialization data can be applied on primary products such as:

- Vials
- Syringes
- Cartridges
- Other devices
- Plastic containers
- Ampoules
- Pens

Either by applying a label, or by direct print on the products.

Secondary packaging

Usually, serialization is close related to carton labelling - secondary packaging, combined with tamper evident labelling.

LSS supplies units running up to 300 products/minute, combining:

- Serialization data print (thermal transfer / ink jet / laser)
- Serialization data verification (Vision / Code reader)
- Tamper Evident labelling for all carton-closing combinations
- Price Sticker Labelling (for local re-imburement)

Stand alone units for printing and labelling flat cartons is also within our product range.



Colli /Shipper Box and Pallet Labelling

Aggregation is usually on box/colli and pallet level. Printing and applying single labels and corner wrap labels are standard applications within our product range. Product handling of boxes during the application of different labels are sometimes required, - also here, LSS has several solutions.

Interfacing to different type of data providers are common knowledge and considered as part of any supply.

Different printing / labelling methods

When you need to print variable data, such as batch numbers, production dates, best before dates etc., it is always a good idea to seek expertise from our experienced engineers. We can help you choosing the right and most appropriate and cost effective printing or labelling method for your job. We do supply machines and solutions with printing and coding technology, such as thermal print, laser marking and ink jet.



LSS has high attention and focus on:

- Simple and safe operation
- Safe and secure product handling
- Easy function overview
- Easy line clearance
- Simple and safe maintenance
- Documentation according to customer requirement
- Precision in labelling
- Control functions as required – and surveillance of certain functions.

Control and counter control

Our solutions are often supplied with integrated equipment for inspection of correct:

- Label ID
- Label Print
- Label placement

This inspection can be done in many ways, from simple registration by means of photocells, to advanced Vision systems. We have huge experience in integration of sensors, 'smart cameras' and vision control systems. All our solutions work based on the principles of actively approving the products. Counter control takes place on both approved and rejected products.



A result oriented co-operation

At LSS we are very aware that the best solutions are developed through a close co-operation between you as the customer and us as the experienced labelling specialists. The combination of your specific product knowledge and our know-how in developing labelling machines is a good match and the perfect starting point of developing solutions, which are perfectly matching your needs and meeting your expectations.

We listen to you, we are full of ideas and we are working with thoroughness, which throughout the years have proved to be the successful way in developing intelligent machine solutions.



Early involvement is the optimal solution

Decades of experience and hundreds of pharmaceutical projects have shown us that early involvement of our specialists is the best prerequisite for developing and, later on, delivering the optimal solution. We are happy – at an early stage – to contribute with ideas, advice and expertise when you are preparing the URS. We are also pleased to enter a dialogue with operators, maintenance personnel, QA people, project managers and other key stakeholders in your production.



Thorough project management

When we receive a purchase order, we immediately assign the project to one of our professional project managers, who will make sure that all specified requirements are being met. In many cases, we would like to involve you as the customer in our design review, where the solution, user interface and other details are carefully evaluated with the assistance of our 3D CAD application. The project manager is responsible for all project phases until approved installation and take-over.

High quality as a matter of course

Quality and reliability are closely related at LSS. This applies to our co-operation with you and also to the labelling machines we develop and manufacture. We only use machine components from well-known and recognized suppliers, and we make sure that we thoroughly test all machines and systems prior to delivery.



Documentation, qualification and validation

Many years of co-operation with customers in the pharmaceutical industry means that we can supply precisely the scope of documentation needed. Our documentation is the perfect starting point for your subsequent qualification and validation work. We also prepare qualification documents and offer to participate in validation tests.



Advising

01

Project management

02

Design

03

Software & HMI

04

Production

05

Documentation

06

Validation

07

Service

08

World wide sales and service activities



About LSS

After more than 45 years in the labelling industry we have built up a significant expertise which allows us to set and meet the highest standards in developing efficient and reliable labelling solutions. Through these many years of quality-minded work and innovation, we have managed to position ourselves as a leading supplier of labelling solutions.

LSS was founded in 2001 as a continuation of the labelling machinery division of Avery Dennison. After 13 years operating as a privately owned independent company, LSS was in 2014 acquired by the Logopak Group and is today benefitting from being a member of its world wide sales and service organization.



LSS Etikettering A/S

Labelling Systems Scandinavia

Normansvej 8 · 8920 Randers NV · Denmark · ☎+45 7020 2500 · www.lss-dk.com