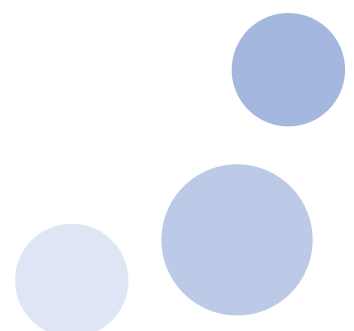




Labelling solutions for the paint and varnish industry

High speed labelling - fast change over times



High performance labelling machines

Our labelling machines are based on standard modules, and well proven concepts and principles to match the specific requirements at each production line. This because we understand that there is always a need for custom-made machines due to different customer requirements.

Even though we work by the principles of using well proven technology we are trendsetters when it comes to new developments. We deliver high quality labelling machines and see ourselves as specialists within this field.

Combining our huge knowhow along with today's available components our new developments make our high speed solutions cost attractive and very reliable.

Labelling all kinds of products

Our standard labelling machines are able to cope with all kinds of labelling requirements in the business. Since our machines are modular build we even manufacture combined machines to handle labelling of the full range of products.

The standard solutions can as option be equipped with handle lifting device, image capturing positioning systems and other additional features that result in the required labelling quality and speed.



All shapes and surfaces

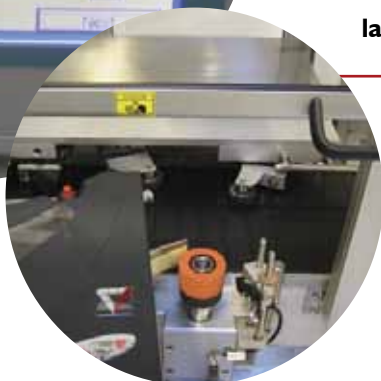
Over the years we have met all kinds of demands from our customers. In close co-operation with our customers we have developed a lot of "out of norm solutions" which have resulted in our present position as leader in manufacturing labelling solutions with high capacity and short change over times. Our labelling machines are of the highest standard in the industry.

Campaign
Colour tag
Barcodes
QR codes
GS1 Standards



Making things smarter

We are aware how important it is to have short change over times, when dealing with an inline production. LSS has developed a principle of self-adjusting format sets which adjust automatically to the given product size. By keying in the actual product ID, the machine will adjust automatically to the product size in all aspects. A logical user friendly touch panel together with motorized lead screws guarantee a change over time **less than 1 minute for a product change and less than 3 minutes including label roll change.**



Labelling machines for every purpose

We have in our machine program also machines for top and bottom labelling of the products. Box labelling, with or without printing of barcode and at the end of the line, pallet labelling equipment.

We sell and configure a lot of different label design software systems for the printers we install, such as Prisym, NiceLabel, Codesoft and others.

In connection with pallet labelling equipment we have developed and sold in large numbers a standard program for generating **EAN128/ GSI-128 barcode and SSCC numbers etc.**, which is easy to configure to the individual demands and production sites.



Labelling solutions for all kinds of products

Over the years LSS has developed a lot of modules and principles for labelling of cans and containers. We have the CL machines using the well-known principles for full wrap labelling and MCL machines for front and back side labelling. But new machines have been developed, such as the HCL machine for very high speed labelling and the CLM machine for ultra-flexible product handling. All our machines can work both as off- and inline machines, with filled or empty products and with- or without handle lifting device. Very often also as combined machines labelling all kinds of products in the full range from small cans to large containers. For hazard areas our equipment can be delivered in EX execution according to the ATEX directive.



Wrap around with CL

If you are looking for high output, our standard CL with 3 or 4 roller indexers applying full wrap labels or sticker labels onto a can or pail, will be the solution you need.

Using two label dispensers allow you to apply a full label and a sticker onto cylindrical products and 2 stickers onto a conical lithographed product.

If required the label dispensers could be equipped with printers for inline colour- or barcode printing. For high output and under the right conditions, pre-indexers enable capacities up to 60 cans per minute. For full wrap labelling of cans less than 1 liter, the capacity is 50 cans per minute, non orientated.

Handle lifting devices are an option and in that sense products could be both with or without handles.



MCL - for large products

Well known and used for decades. The principles of the MCL, Modular Container Labeller, are used for side labelling or front and back side labelling of large oval, conical or cylindrical products, typically 2.5 - 20 liter containers. In some cases the MCL is also used in connection with side labelling of rectangular products, used as a double MCL in connection with front and back side labelling.

The machine is often equipped with a brush handle lift system and as well as additional label dispensers or printers.

High speed labelling HCL

Faster filling machines sometimes call for faster labelling machines. For the purpose of applying one or several smaller labels onto containers, LSS has developed a machine that can rotate and orientate without stopping the product. The products are typically larger conical or cylindrical 2.5 to 20 liter products. The products will be orientated in relation to the handle and rotated between belts during transportation in order to have the labels placed at the right position. **This principle of labelling has a capacity of up to 45 pcs. of 12 liter containers per minute, including lifting up the handle.**

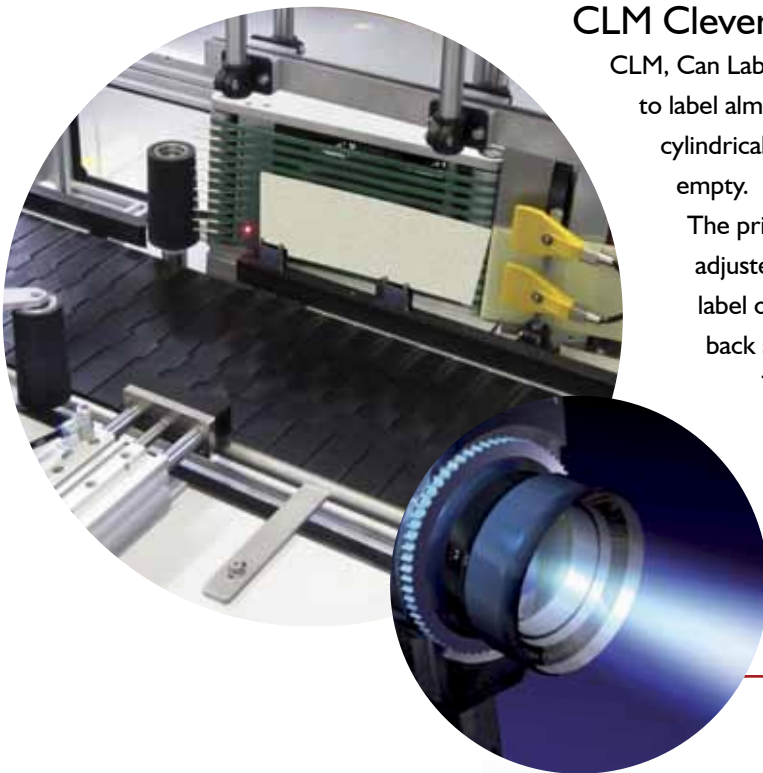


CLM Clever thinking!

CLM, Can Labelling Multi-purpose. This “all-purpose” machine allows you to label almost all kinds of different shapes and sizes of products. Conical, cylindrical, small or large containers, with or without handles, filled or empty.

The principle of this machine allows the dispenser and apply unit to be adjusted in all directions. This makes it possible to apply a full wrap label on cylindrical products and it will also be able to apply front and back side labels onto conical products with only one label dispenser.

This also means that both the front side and the back side label must be on the same label web, which is a new and clever way of thinking. One of the additional benefits are that the machine can be fully operated from one side only. Along with handle lifting device and the possibility of printing barcodes directly onto large labels, this machine gives all possibilities with extremely low change over times.



Combined machines

Example of combined machine made of single sided MCL module for large conical products and the CL 3 roller indexer for smaller cylindrical full wrap labelling. The illustrated machine is an off-line machine. The layout is U-shaped, thus allowing one person or machine to load and unload the labelled cans again.



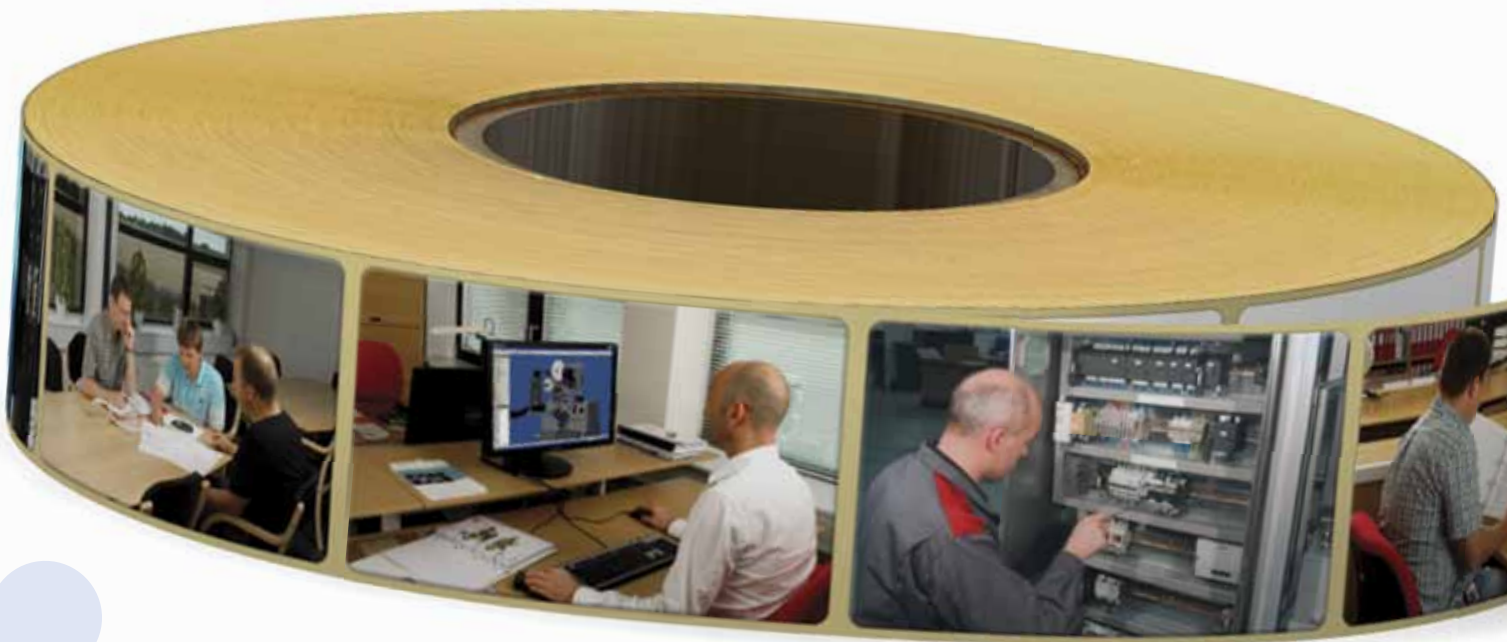
Labelling relationship

LSS, Labelling System Scandinavia, is a large supplier of labelling solutions to the paint and varnish industry in Europe, but also to the rest of the world. We have been in the business for decades and have supplied labelling machines to all major paint manufacturing companies. We design, sell and manufacture a large variety of labelling machines from simple machines to high-end and fully automatic machinery and are able to fulfill almost any request coming from the business. **We do have long lasting relationships with our customers.**

Project handling Thorough project management

When we receive a purchase order, we immediately hand over the project to one of our professional project managers, who will make sure that all specified requirements are being met. In some cases we would like to involve you as customer in our design review, where the solution, the user interface and other details are being 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.

We stick to what we say – and we do never have late deliveries.



The heart of the labelling machine

In our case the heart is called Avery Dennison. Our many years of relationship with Avery Dennison makes it natural using quality products from this supplier. These high quality dispensers and printers fit perfectly with our high expectations to our suppliers.



LSS is high quality

Quality and reliability are closely related to LSS. We only use machine components from well-known and well acknowledged suppliers. We always make sure that we are thoroughly testing all machines and systems prior to delivery. **We believe other machine builders and system integrators in the industry admire our high quality.**

Service and warranty

As a global supplier of labelling machines LSS has a network of partners all over Europe and the rest of the world. Preventive service and warranty can be carried out from Denmark by our experienced service technicians. Day-to-day service if needed, will be taken care of by local experienced partners in the specific country.





About LSS

The huge expertise, we have build up through more than 35 years in this area, makes it possible for us to set the highest standards and be the market leader in developing efficient and reliable labelling machines. Through many years of quality-minded work and innovation, we have managed to position ourselves as the leading supplier of labelling machines in Scandinavia.

LSS was created based on the previous labelling machinery division of Avery Dennison. Since 2001 LSS has operated as an independent company.

