



**DANSK MASKIN TEKNIK A/S**



Specialized in packaging machines and  
palletizing systems

Dansk Maskin Teknik history

. Dansk Maskin Teknik has many years of experience with packaging machines, transport equipment and palletizing systems.

DMT was founded by John Holck Nielsen in 2007. In 2017, the firm was sold to 4 employees. One is the current Managing Director Claus Henriksen, who has been in the company since its inception in 2007, and been engaged in the food industry throughout his whole career.

Dansk Maskin Teknik has successfully delivered "end of line" solutions primarily to the food industry for many years.

We produce both standard and customized package solutions to suit any needs.

Many of our customers also choose to use us, as a sparring partner for projects and solutions to make their career productive.

Below is a list of our biggest developments over the years:

- 2007 DMT A / S was started by John Holck Nielsen.
- 2007 Purchase of Con-Load's rights to pallet loaders and pallet magazines.
- 2014 Purchase of Con-Load's rights to vertical elevators.
- In 2015, DMT collaborated with SEMA packaging machines to be a Danish dealer of their highly developed machines.
- In 2016, DMT received a request to further development on rewinders / cutting tables for the textile industry. This resulted in the fact that we have now also entered the textile industry.
- 2016 / 2017 the company is acquired of 4 employees
- In 2017, the company had 10 years of anniversary
- In 2017, DMT was nominated to the Danish award, Gazelle, as company with a growth of 110% over the last 4 years

For many years, DMT has focused on providing specialized equipment, which in most cases is designed specifically for the current project and in cooperation with the customer.

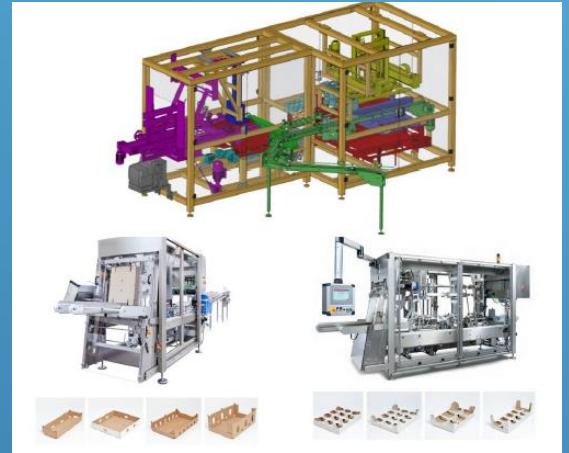
Currently the company has 17 employees, each one with a passion and pride in their work. DMT is a company in growth, working on a high professional level to satisfy our customers

# PACKAGING MACHINES

- DMT tray erector with loading station
- DMT tray erector with different tray formats
- Danish importer of Sema packaging machines

## Advantage of our packing machines

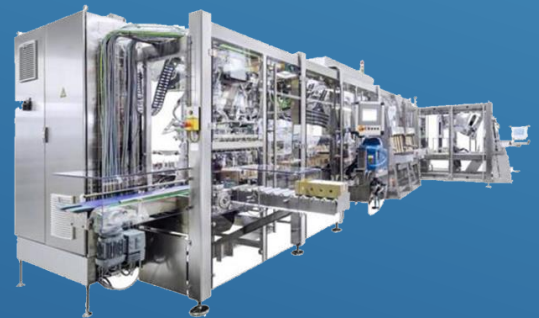
- Service friendly
- Easy to clean out
- Very durable and reliable
- High capacity of products



Besides new machinery we are specialized in:

- Optimization, renovation and conversion of Nor-reg and Meccopak packaging machines
- Optimization, renovation and conversion of all types of packing machines

DMT has become a highly recognized company when it comes to rebuilding, renovation and optimization. DMT is a very well-organized company that can look forward to the challenges and deliver a product tailored to the customer.



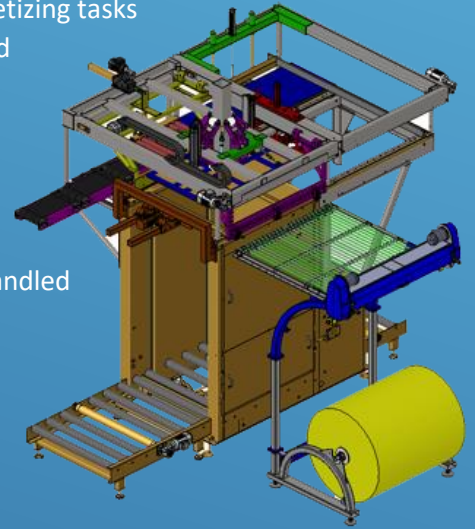
Danish dealer of Sema packaging machines

We started collaborating with Sema Systemtechnik in 2015, which we are very pleased with. Sema Systemtechnik is a privately-owned German company with many years of experience and is a strong supplier and collaborator in packaging machines. Sema Systemtechnik is a strong partner for high-capacity packaging machines. DMT is certified in installation and service on Sema machines.



# Palletizing

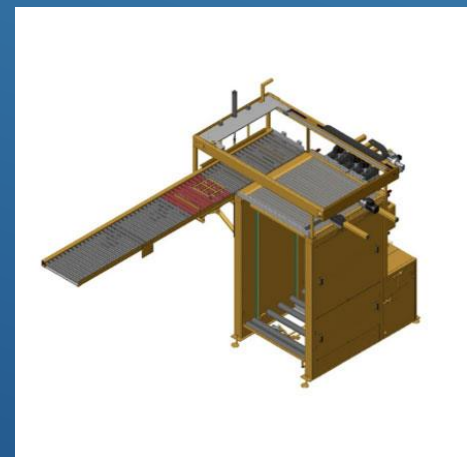
- With our standard pallet loaders, we can solve most palletizing tasks and can pallet boxes, plastic boxes, bags, conical cans and buckets and so on.
- Standard pallet loaders can handle multiple pallet sizes, Euro 800x1200, Industry 1000x1200, Half 800x600, and Quarter 400x600. All pallet types can be handled in both wood and plastic
- DMT operates from 2 types of palletizers, a low loader and a high loader. The loaders are built with standard components that help ensure high availability and reliability
- A low loader can be delivered as a semi-automatic and as a fully automatic loader. The semi-automatic load handles the pallets manually and side panels / side guides are manually adjusted when switching to new product. A fully automatic low loader handles the pallets and side panels / side guides automatically.



## Our palletizers can be delivered in stainless steel and painted models.

References on our palletizers:

- Palletizers for an example cardboard boxes, plastic boxes and bags
- Capacity up to 10 layers per. Minute depending on the product
- Product in-feed in height, height is adjusted individually
- Servo turner / label orientation, + - 360 °
- Automatic empty pallet and finished pallet handling for fast pallet replacement
- Euro pallets 800mm x 1200mm
- Industrial pallet 1000mm x 1200mm
- Half pallet 800mm x 600mm
- Quartz pallet 400mm x 600mm
- Other pallet types by arrangement
- Automatic change of side guides during product change
- Automatic transfer of sleep-shed
- Automatic handling of the slip sheet
- Custom customization of special palletization tasks

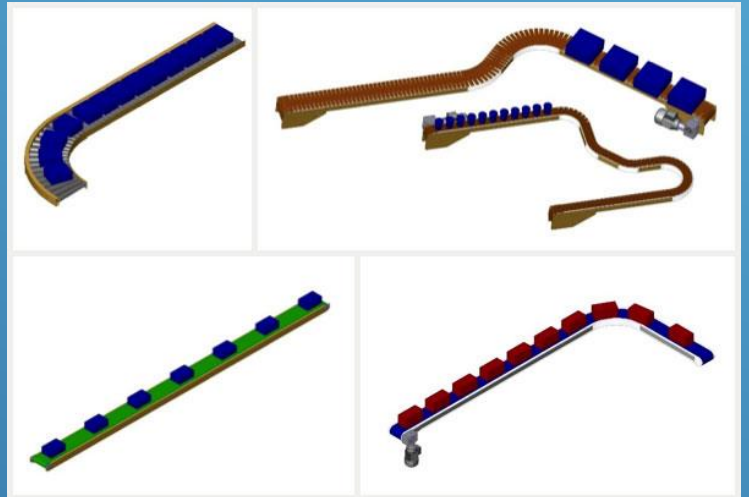


# Transport equipment

Dansk Maskin Teknik are your complete supplier of automation equipment and offers the design of transport equipment to ensure the most optimal and safe transport of the customer's products to packaging and palletizing.

Transport Equipment as default:

- Plastic chain conveyer
- Air conveyer
- Roller conveyer
- Pallet conveyer
- Chain conveyer



Modular Pallet transportation:

For many years, DMT has developed standard pallet transport equipment

- Roller conveyers
- Chain conveyers
- Hoist built in to roller/chain conveyers
- Pallet magazine
- Transfer trolleys
- belt conveyer



# Rebuild/renovation of packaging machines

Many costumers prefer a rebuild machine compared to a new, because they're usually cheaper than a new. and faster to build. Dansk Maskin Teknik are specialist in rebuild machines.

## Below is an example of a conversion:

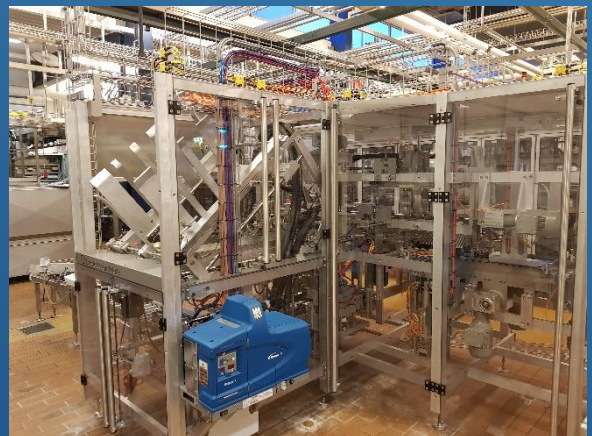
DMT got two Nor-reg machines home that had to be built together into one machine. The reason for the remodeling was that the customer had been given new formats that they should produce. So, by building two machines into one, they would save manpower and space at the factory. After the requirements from the customer were in place, they could leave the project to us.

## Requirements from the costumer for this project:

- The machine should be service-minded and easy to clean out.
- The machine should be with automatic changeover to 8 different carton sizes.
- The machine should produce 150 products per minute. And in this case would give 15 cartons.

## The reason the costumer choose us to this project:

- Our expertise in packaging machines
- Fast delivery.
- Short term dialogue with the costumer.
- We stand for everything from construction to assembly.
- Since we have worked with the customer for 10 years, we know exactly what the customer wants, and the costumer knows about our quality.





# Renovation of materials

A renovation can be a broad concept. When people decide to get a refurbishment of their machines, is it usually under time pressure because they're normally addicted to their equipment in their production. This is often the reason why the customer chooses us to carry out their renovation. We are recognized to be flexible, fast and viable while the quality is still in the top.

An example would be, a Nor-reg we renovated because it hasn't been in production in 4 years, and therefore needed a service.

This renovation consisted of

- Cleaning with dry ice, so no components will damage
- Separation of all components
- Replacement of shafts and guides
- Replacement of air cylinders
- Replacement of air hoses
- New valves
- New power cables
- New program
- In addition to the renovation, the customer also wanted a format shift, from 7 rows of products to 6 rows. This conversion required only a small adjustment of the machine's setup



At the end of the renovation, corresponding lanes were refurbished. And it consisted of:

- Separation of the conveyers
- Cleaning and checking of the track sections
- Replacement of bearings
- Replacement of electrical connection to motors

Finally set and tested before delivered.

Whether it is a conversion, renovation or new building, the projects will always be fully installed at DMT for testing before the product reaches the customer.

A renovation or refurbishment can also be done at the customers location, if preferred



# Service

At Dansk Maskin Teknik A/S, we are highly aware of service as we know how dependent our customers are on their equipment. Whether it's a DMT product or other brand, we're always ready for a new challenge.



DMT is a strong service partner that can service many different types of palletizing, packaging machines and transport systems.

We have extensive experience in rebuilding existing packaging machines (Nor-reg, Mecopak), new product management solutions, capacity optimization or new sheet formats.

We have many years of experience in service, optimization and conversion, so our customers also use DMT for advice on these types of projects.

DMT has its own design department, electrical engineering department with programmers and production, which means that we are a flexible and strong partner for service, optimization and rebuilding.



DMT offers service and hotline agreements that match the needs of the customer to ensure that their facilities achieve the best accessibility.

We focus heavily on our existing customers and therefore offer a non-binding review of their packaging machines, pallet loaders and transport equipment, where we subsequently talk about possibilities for optimization and improvements of the equipment. Based on the review of the machines and the subsequent review, a service offer is prepared based on the agreed.





# Electrical-department

DMT has its own electrical engineering department, where we have electricians and programmers. This makes us very flexible and independent, as we can both install and program our projects ourselves. By having both Mechanical and Electrical Engineering at DMT, we can spread ourselves in many more ways and thereby also assist in subcontracting.

## What our electrical engineering department consists of:

- PLC programming
- Servo/motion
- Visualization with HMI and Indusoft SCADA
- Security solutions
- Elektrical assembly
- Electrical-workshop
- Construction of electrical boards
- Elektrical documentation (PCShematic)
- Marking of wires on electrical systems

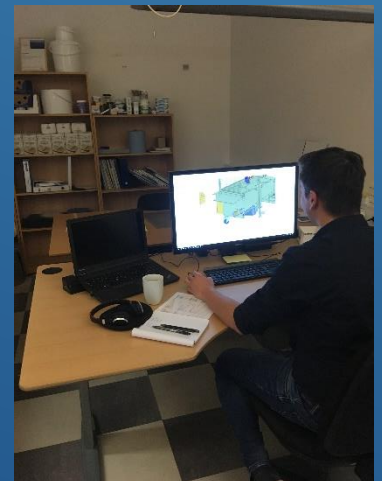


# Construction department

To keep developing the future, we need a design department that keeps our machines and equipment constantly updated.

When a new project arrives, a constructor / engineer will be placed on the task in cooperation with the seller. In order to ensure that a task is followed to the door, there is a weekly meeting at the company about the progress of the project.

At DMT we prepare our projects in both 2D and 3D



# Roller tables / cutting tables 2m

Dansk Maskin Teknik A / S has now further developed into the textile industry, where we have standardized a 2m coil / cutting machine to cut, measure and roll fabric together.

This machine is very durable and work-friendly.

The 2M table consists of:

- 4 rollers where 2 are drawn.
- Cutting bracket with electric knife cutting the fabric by means of a belt drive
- Foot pedal that starts / stops rollers
- Adjustable brake on rear rollers so that the fabric does not run smoothly
- Siemens PLC management.
- Measuring the fabric via encoder wheels
- Storage space under the table for any cardboard tubes
- Steel pipes to hold fabric rolls with a maximum diameter of 350mm.
- Full documentation and safety-approved



What the customer gets out of the table:

- Faster workflow
- More accurate delivery
- The mistakes in the fabric are detected easier as the fabric is stretched out
- The fabric gets a straight cut
- The machine can fit itself after starting the entered length
- Raise / lower legs so that the working height is adjusted to the employee (electric)
- All work tools in one

# Lighting table / cutting table / roller table

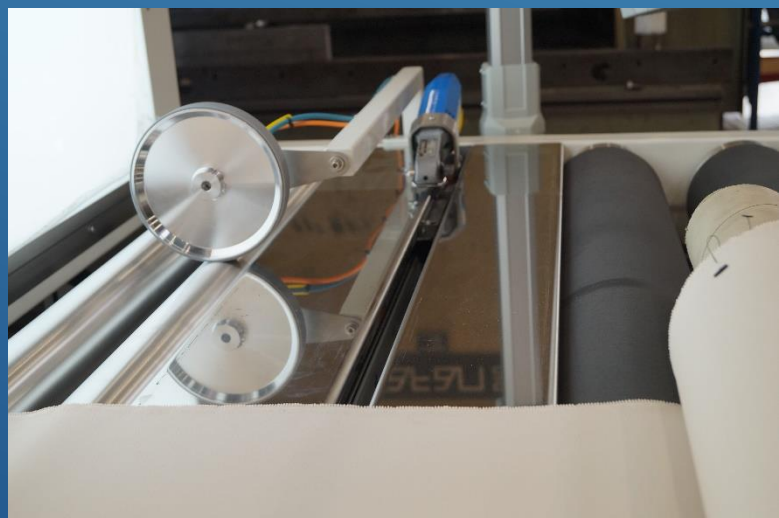
Like the 2m table we also make 4m tables. This table is only expanded with a light-board desk plate that is removable. The feature of the light table is for the quality check of the fabric while the winding process is being carried out

## The 4M table consists of:

- 4 rollers where all 4 are dragged on which you can roll the fabric roll back when the cut is complete
- 2 foot pedals, one pedal on each side
- Storage space for paperpipes
- Steel pipes for a diameter of max 350mm fabric rolls
- Cutting bracket with electric knife on belt drive
- Adjustable brake on rear rollers
- Measuring of fabric via encoder wheels
- Lighting table raising / lowering (electric)
- Pruning console so that the fabric can be stretched out for control
- Full documentation and safety-approved

## What the customer gets out of the table:

- Faster workflow
- More accurate delivery
- The errors in the fabric are detected by the light beam
- The fabric gets a straight cut
- The machine can fit itself after starting the entered length.
- All work tools in one
- 2 Siemens panels that make the task easier if 2 men are desired at the table





# Service / Hotline

- Service Sema packaging machines
  - Service Nor-reg packaging machines
  - Service Palletizers
  - Service transport equipment
  - Total service deals
  - Service Robots
- 
- Technical hotline and PLC hotline 24/7

Dansk Maskin Teknik A/S, offers service, Technical hotline and PLC hotline to suit the customer's needs.

## Headquarters

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## Opening hours

Monday-thursday

0600-1500

friday

0600-1400

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