



AUTOMATION

Material handling systems



Engineering **your success!**

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Material Handling Solutions

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With 45 years of experience in material handling equipment, Viscon is able to provide its customers with the most efficient solutions and high quality equipment. The experience of Viscon in material handling can cover practically every part of the production process connected with the handling of "product carriers". Together with the integrated software, Viscon successfully completed a large number of complex projects in over 70 countries across many sectors and industries.



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Conveyor systems

The right conveyor system can improve a line's efficiency and productivity. In the numerous projects, which we have established worldwide, we have developed an unparalleled experience with any type of conveyor.

We offer different conveyors such as belt, roller (driven and non-driven) and chain conveyors, for different products, pallets and crates. Available in different materials such as aluminium, steel and stainless steel, as well as curved and spiral conveyors. If necessary, we will look at the integration of your conveyor systems to develop an automated solution incorporating "loose" products, racking or trolleys etc. Our wide range of standard conveyors can also be applied to a specific process and therefore, a fitting cost effective solution can be provided.



The image shows a vast industrial manufacturing or packaging plant. In the foreground, a worker in a blue uniform and hairnet is positioned at a conveyor belt, handling items. The conveyor system is complex, with multiple levels and curved sections. In the background, several other workers are visible at different stations. The facility is filled with industrial equipment, including conveyors, sorting machines, and storage racks. The overall scene depicts a large-scale, automated production environment.

Designed for maximum
flexibility & easy integration.

Transportation & handling

To release the full potential when looking at internal logistics or product flow, Viscon supplies a diverse range of transportation and handling systems. Some examples of these are in-liners, line dividers, horizontal and vertical switching units, shunters, overhead chain systems, scissor lift platforms, lifting systems, turning units, square pushover units, rejectors, change over units, gravity loop conveyors, automated guided vehicles (AGV), etc.

Viscon offers a wide range of handling systems.



Loading & unloading

For the infeed and outfeed of your production process, Viscon supplies smart loading and unloading systems that can be adjusted to virtually any product. This often relates to automatic loading and unloading of trolleys, dollies and racks within several industries. Some examples are shown on this page.

Automatic infeed and outfeed. |





For small & large products.

Stacking & de-stacking

Viscon supplies automatic stacking systems for a wide variety of uses. For example, stacking and de-stacking of smaller products like crates, cardboard boxes and sheets, trays, punnets, buckets etc. As well as systems for larger products, like pallets, steel racks and pallet bins. The type of machine required is determined by the product and by the capacity required.



Storage systems AS/RS

Viscon designs and realizes various automated storage systems for the storage, sorting and dispatch of goods. Using sophisticated module based systems, we are able to create customized solutions that are easy to adapt to every building, or can be integrated into every logistical challenge.

Our storage solutions for pallet storage, as well as box and crate storage make the difference compared with the well-known systems in the market like stacker cranes (AS/RS systems) and multi shuttles. Viscon combines these storage solutions with the in-house designed warehouse software (WCS/WMS).





Ultra-high storage density.

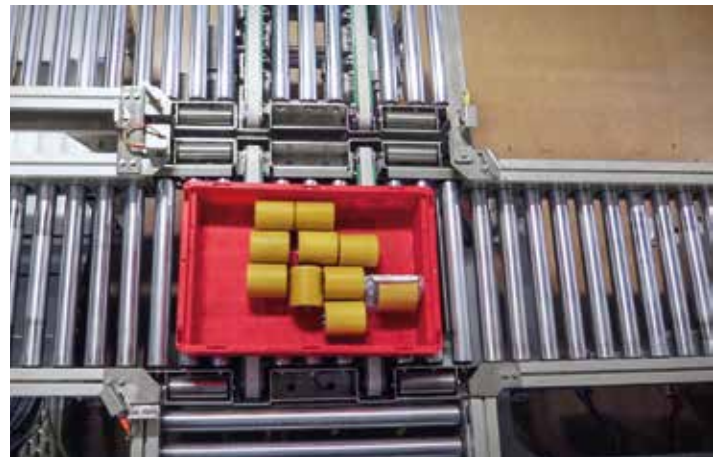


**Maximize order picking
productivity.**

Order picking systems

As experts in order-fulfillment, Viscon Logistics understands the complexities of an order picks system within a warehouse environment. Viscon will advise you in finding the optimal concept for your order picking. Depending upon your application we configure the right order picking concept: goods-to-man or man-to-goods picking, pick-to-light & put-to-light systems.

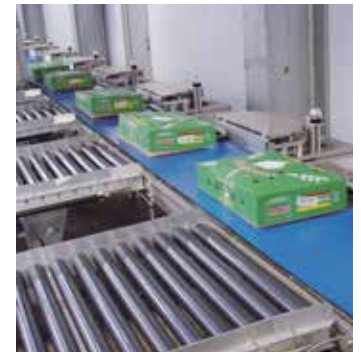
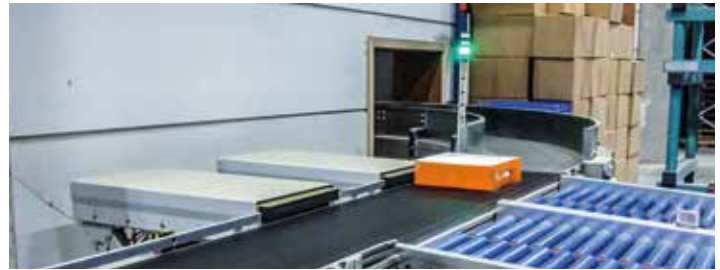
Besides machinery, Viscon Logistics also designs and produces the required software solutions. This way we are able to provide the maximum flexibility to our customers, resulting in unique solutions.



Sortation systems

Depending on both the products to be handled and the required capacity, Viscon utilizes a broad range of sorting solutions for both food as non-food applications. Where you can think of the sorting of packed and unpacked products on line dividers, push systems and so called 'shoe sorters' including the tracking & tracing, if necessary scanning and labeling, but also the associated software to visualize and link the already existing software of your process.

The large part of the solutions will consist of products produced in-house by Viscon, which gives you the advantage of a one distinct supplier with the right expertise.





For both **food**
& **non-food applications**

A large roll of blue material, possibly a film or fabric, is being processed by a machine. The material is being unwound from a large spool and is being fed into a machine. The machine has various rollers and guides. The background is blurred, showing other parts of the factory or workshop.

End-of-line
packaging machines.

Packaging systems

Viscon offers a wide range of packaging machinery. To provide the correct type of product packaging, there is the choice of flow-wrappers, stretch film wrappers, ultrasonic welding machines and machinery for resealable lids.

In addition to retail packaging, Viscon also offers machinery for special packing requirements or for products of which it is impossible to be packed by the machinery mentioned above.



Case-packing systems

Viscon provides “end of line” packaging systems to a wide variety of industries. Viscon has case packing solutions that automatically load the retail ready products into boxes or crates or other packages.

Our case-packers handle all kind of packaging, from single packed products (including packages with stretch film, flow-wrap or lid), but also products in a bag or net or products like bread and bakery products. Viscon also has case packing solutions for block packaging and for case packing into bigger final packages.





High-speed case packing
with precision.



Palletizing integrated with
**strapping & stretch foil
wrapping systems.**

Palletising systems

Viscon offers a wide range of palletizing technology, from 'semi' automatic up to most sophisticated multi-load palletizing machines. Our palletizing systems are applicable for a wide variety of products, like boxes, crates, trays and vertically any product of a rectangular design. The type of machine depends on your specific needs, like desired capacity, stacking pattern, pallet formats, but also stability of the product.

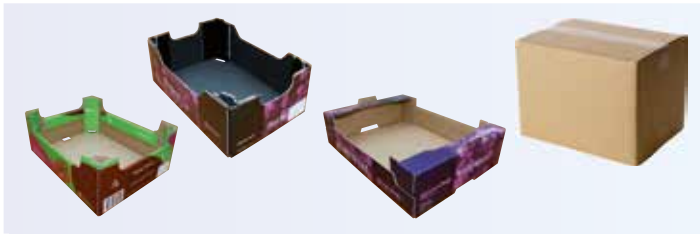
The palletizing systems can be integrated with pallet strapping and stretch foil wrapping systems. Our pallet strapping machines can provide the pallet with one or more straps and comes with the option of a corner board dispenser. Viscon also offers a wide range of stretch wrapping systems to protect and secure loads for transportation, making processes faster and more productive.



Box folding & crate unfolding

Boxes come in different styles and dimensions and are often required to be formed automatically to supply high capacity processing lines. Viscon supplies box folding machines for American boxes, self-carrying open boxes and display boxes. Depending on the type of box, the required capacity and application, Viscon can extend the system with e.g. automatic case packers, box closing machines, palletisers, etc.

Viscon provides systems for automatic opening of folding crates and other of collapsible containers. The crate unfolding machines can be fully integrated in your production line, including automatic stacking and de-stacking of the crates.





Provides you with
perfect boxes.

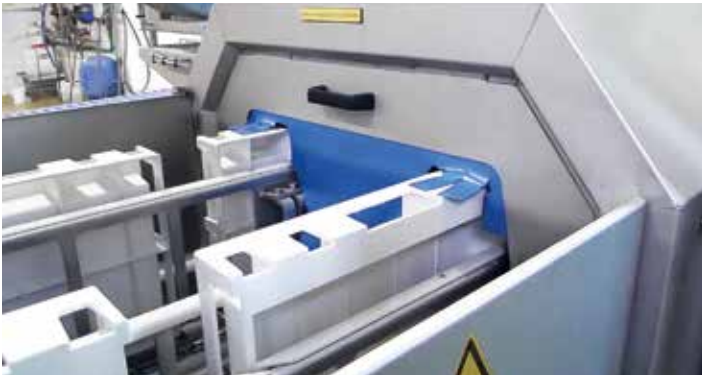


Solutions for handling the
**entire cleaning and drying
process.**

Industrial washing systems

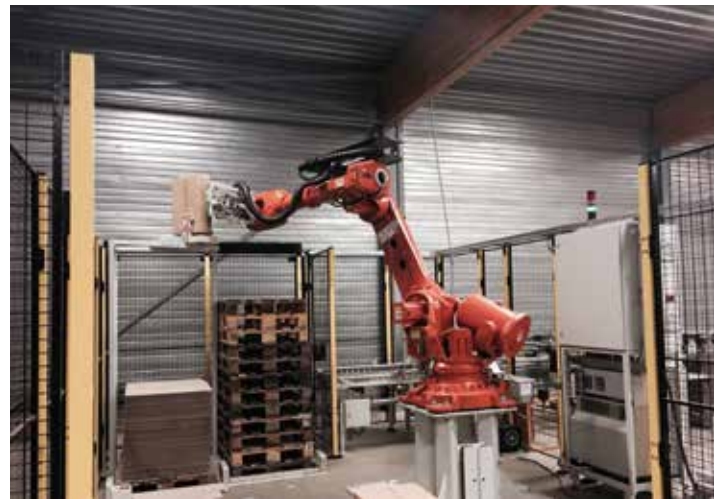
Viscon offers smart cleaning solutions for every challenge in a production company. Our allround experience with cleaning technology in material handling projects enables us to provide our customers with high quality equipment, based on the most efficient and cost effective solutions.

Our product range varies from stand- alone washers to the turnkey delivery of a fully automated washing and handling plant. Our washing machines can be expanded with a variety of filter systems, drying systems, several options as well as automated loading and unloading systems.



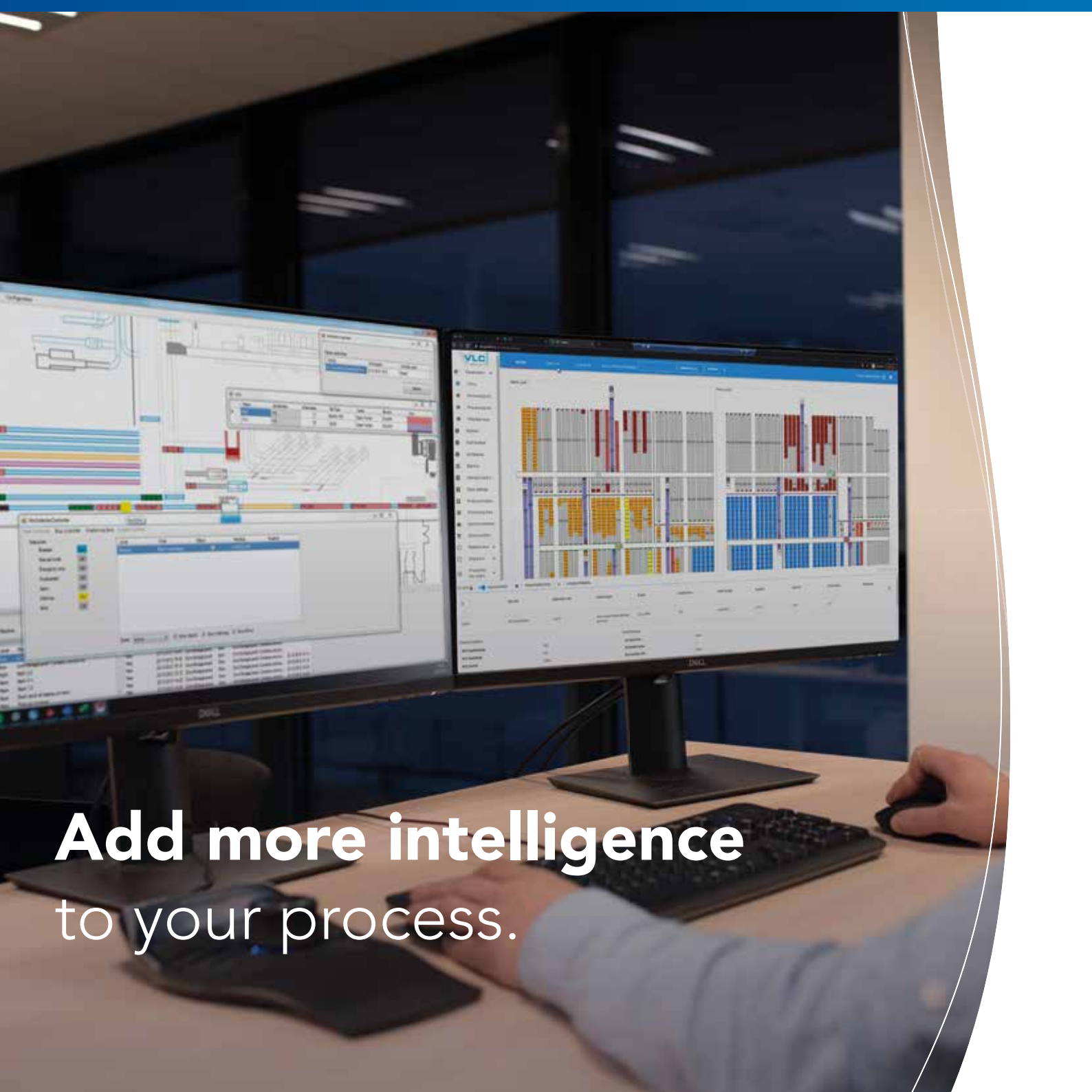
Industrial robotics

Industrial robots are used for handling a great variety of products for complex and/or precise processes that are hard to realize by means of conventional machines. Examples of application include: pick & place systems, palletization and depalletization of various products, order picking, case packing, loading and unloading of trolleys and other product carriers, etc. An important part of the robot is the design of the right gripper or pick-up tool. The right design will enable several kinds of products to be handled, thus enhancing the installation's efficiency and flexibility while reducing investment. For example, one single gripper that makes it possible to pick up cartons, crates, interlays, and pallets.



A blue Yaskawa MO-OMAN industrial robot arm is shown in a factory environment. The robot is mounted on a white base and is holding a long, white, multi-nozzle spray gun assembly. The assembly has numerous brass nozzles pointing downwards. The robot's arm is blue and has the Yaskawa logo and model name 'YASKAWA MO-OMAN' visible. The background shows a factory floor with a metal grid fence and overhead lighting.

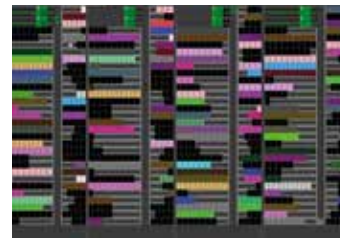
Industrial robots
for smarter automation.



Add more intelligence
to your process.

Logistics control software

With Viscon's control software you are efficiently in control regarding your logistics in our compact storage systems, sorting lines and other logistical processes. Viscon Logistics Control (VLC), which we develop in-house, ensures that we can offer you a truly complete solution. You can carefully monitor every process, product and machine with our warehouse management and control systems. More than that, we can align your new machinery to communicate and store data and information to your management systems. This can add functions such as visualisation, priority, traceability and warehouse control. When using a VLC system, you can reach maximum possibilities, capacities and flexibility which will provide a more efficient process.



Special handling

Viscon prides itself in innovation and has done so for more than 40 years. Our presence in over 70 countries across many sectors and industries, means that we can design a balanced and customer-specific solution for you – one that efficiently automates your unique process yet is also affordable. Due to our in-house engineering and production abilities, we are able to be more flexible with our designs based upon your demands and requirements. Do you have a question that you would like us to look at? Our engineering team is more than happy to find you a suitable solution!



A photograph of a modern industrial manufacturing environment. A large, white robotic arm is positioned on the right side of the frame, reaching towards a work area. In the center, there is a complex assembly of metal frames and blue cables. To the left, a rack filled with numerous small, white electronic components is visible. The background shows a multi-level industrial structure with metal railings and large windows. The overall scene conveys a sense of advanced automation and precision engineering.

Viscon can design a **balanced
& customer-specific solution.**

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