



*Specialist in handling packaged
food products and
pharmaceutical products*

 *by teamwork*



LAN Handling Systems

LAN Handling Systems is a worldwide specialist in handling systems for the foodstuffs and pharmaceutical industries. Our specialisation is also our strength. This certainly applies to our expertise with sterilised products. We are passionate about delivering the best solutions for handling and transporting packaged foodstuffs and pharmaceuticals in the most optimum way, from a filling machine to a sterilisation Autoclave. This can be for products in glass, tin, aluminium and plastic packaging.

We focus on offering inventive solutions, led by ingenuity, with technology as the means. We believe in going the extra mile to find the best possible solution. For every customer and for every project.

Thanks to LAN's specific knowledge of handling systems for food and pharma, we can offer ever more possibilities. With LAN Robotics, for instance, we are integrating industrial robots in various systems within the foodstuffs industry, not limited merely to sterilised foodstuffs. These automated systems can grab, position and move packaged foodstuffs of various materials, sizes and shapes. With this we can offer a total solution for handling packaged products, for every product in the foodstuffs industry.

Our customers are located worldwide in the foodstuffs and pharmaceutical industries. From famous A-brand suppliers to companies producing under their own or private label. Nestlé Purina, Unilever, Mars, Kraft, Campbell's, Del Monte, Abbott, Nutricia, and Wyeth are just some of our A-brand customers.



Teamwork

LAN has the right people in the right place. Dedicated professionals who deliver top results, as a team. We see teamwork as the foundation of our company and an absolute condition for success. Our teams are multidisciplinary, which means that everyone is involved with the project from start to finish. This engenders unconditional commitment and ensures that everyone feels responsible for the end product. At LAN this method of working goes without saying. We excel in this. It is what makes us #1.

The whole process starts with your initial request. This is where our inventiveness is put to the test. Please feel free to challenge us! We will create the best solution for your specific situation. All our Handling Systems fulfil our customers' conditions. Agreed means agreed. LAN invests continuously; in new technologies and in the knowledge level of its own staff. Working at LAN is synonymous with investing in your future. We offer employees the opportunity to develop. Personal attention and coaching pinpoint training needs. Together we convert this into action. The person who gains from this process gains opportunities. Opportunities for progression. To take on new challenges.

Handling for sterilisation

Each packaging requires its own handling system. Solutions for transporting or transferring packaged products, or moving them in and out of a sterilisation Autoclave. Thanks to our knowledge and creativity we are at the forefront in applying the latest technology and we will continue to do so. This allows us to anticipate developments in the market as well as your needs. The result is a thorough solution, every time; inventive, customised solutions, and a handling system that meets our highest expectations. The end product is only acceptable if it is excellent. This is what drives us. To achieve this, we are happy to go the extra mile.

A fully automatic production line is formed by the integration of our specific loading and unloading systems in a production process. This is always a customised process, because the system needs to fit precisely between your feed and removal installations. We therefore liaise closely with the suppliers of the other machinery in the production line. This guarantees the optimal development of the process.

We supply detailed manuals for every system, including detail drawings of each module. This gives your maintenance team everything it needs for straightforward servicing of the system. Preventive maintenance can also be carried out by LAN. We have a service team that is ready to answer any questions you may have, including questions about spare parts, overhauls or adjustments to the machine.

*Handling from **A** to **B***



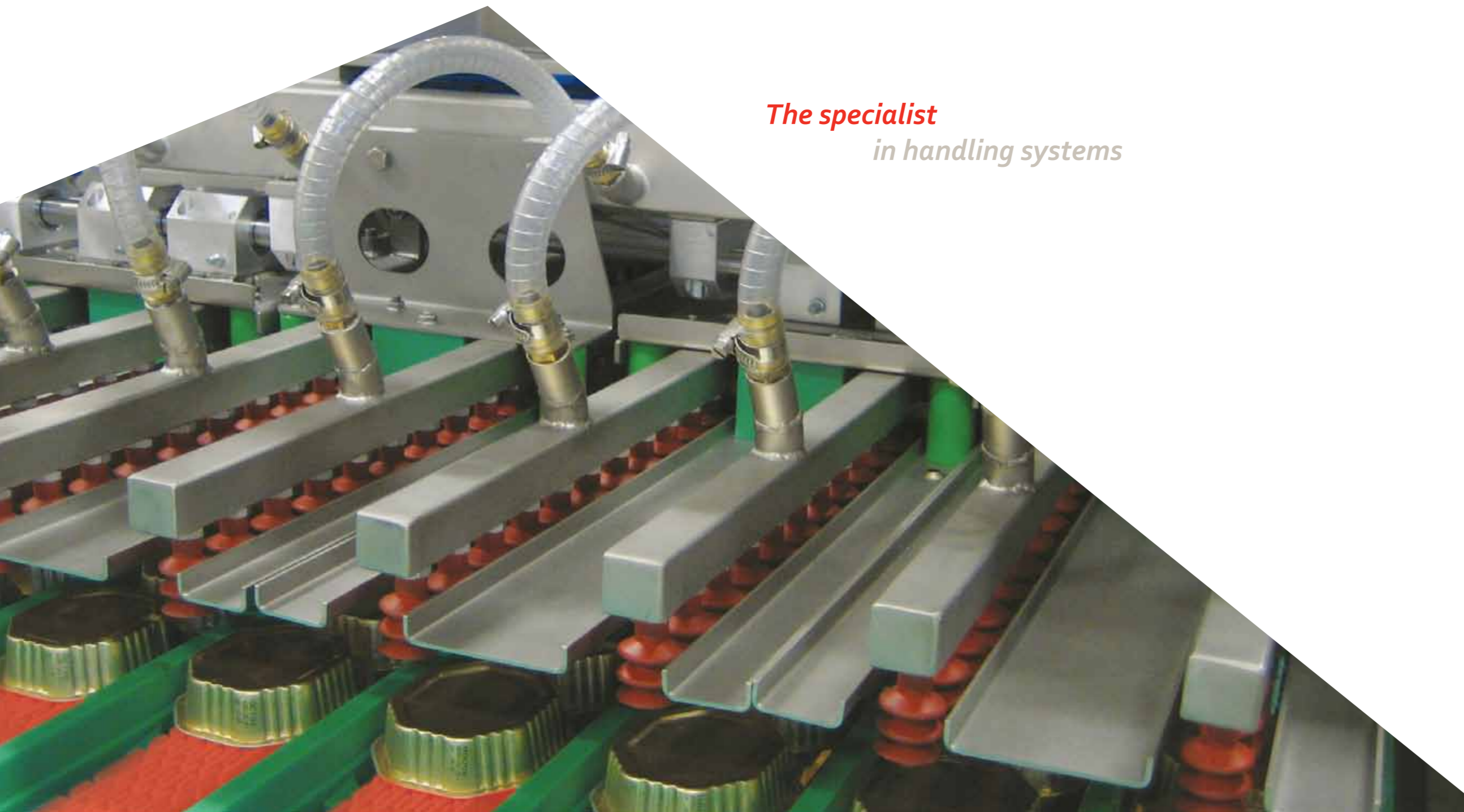
Pharma

LAN manufactures handling systems that are specifically suited for pharmaceutical applications, such as bags or bottles with infusion fluids or clinical nutrition. As specialists in handling systems, we know that each application demands a wholly individual approach. Your request forms our starting point. The target: the best possible solution for the handling of your pharmaceutical product.

The health sector sets very high standards for safety and hygiene. Naturally. Meticulousness in this sector is in many cases of vital importance. Our systems meet every requirement and are designed and produced with the greatest possible care. LAN guarantees the route from and to sterilisation. Practical, safe and utterly reliable. We guarantee a thorough solution that fits your request seamlessly.



*We do what we promise - **every time***



The specialist
in handling systems

Food

The foodstuffs industry uses many types of packaging in a wide range of materials. For these packaged products, fast and efficient handling within the production process is of the utmost importance. As a specialist we know exactly what is important to you. We translate customer-specific needs into a system and materials with which we can guarantee the highest possible quality.

We provide solutions for sterilised and non-sterilised foodstuffs. For the handling of foodstuffs in the sterilisation process we use various techniques, including magnetic, shift and vacuum systems. We use simple lifting tables as

well as fully automated solutions that integrate seamlessly into the production line. Our solutions can handle the most complex packaging in any required quantities. For handling non-sterilised foodstuffs we develop custom-made robot systems for positioning and picking up packaged products. These systems are integrated fully within the production processes. With the use of the robot solutions we can process products made from various materials, in various sizes and shapes. This can be one or more loose products, or the handling of complete product carriers such as trays and cases.

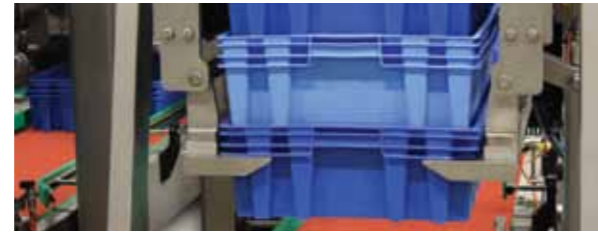


LAN Robotics

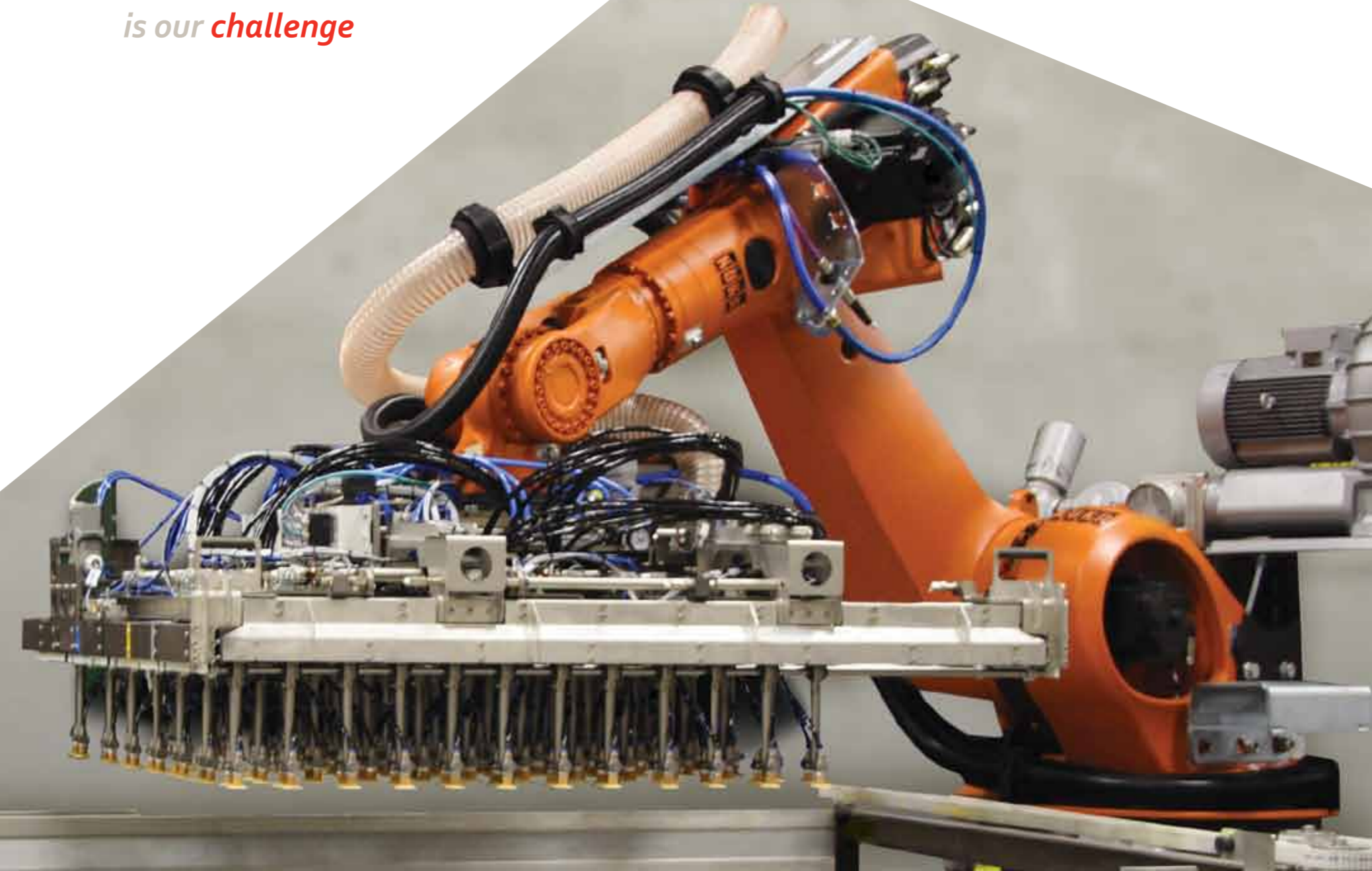
LAN Robotics supplies robotised pick & place systems for handling products in the foodstuffs industry. LAN Robotics forms the crucial link between the different machines in a production line. New packaging types often demand innovative processing solutions. We use different industrial robots of various makes. We also use a robot we have developed ourselves. Our professional and skilled workforce know how to turn every problem into a challenge, including when the scope changes during the project. You can rely on us to stick to our agreements concerning the machine's capacity, delivery time and undertakings about customer-specific solutions. Your order is in good

hands at LAN Robotics. We know the challenges you are faced with and we are an excellent sparing partner to develop the best solution.

With our robots we can process one or more products, with the focus on loading and unloading product carriers (incl. cases and trays) with packaged foodstuffs. Naturally we also take care of the transport and stacking and unstacking of these product carriers. Apart from pick & place and transport, these systems also demand advanced positioning and vision solutions, whereby the customer's needs are paramount. Finding the best solution is a challenge for us.



The *best solution*
is our *challenge*





*Handling large quantities
from 85 grams to over 3 kilos*

Sterilised products

Three aspects are critical for the sterilisation process: quality, reliability and efficiency. We can create a customised solution for all products and each sterilisation Autoclave that meets the stated requirements as a minimum. Irrespective of the materials, the shape and the size of the packaging. LAN systems ensure an optimal connection between the filler, the packaging machine and the sterilisation Autoclave. We consider it a challenge to develop the best system every time, despite many complex variables. Our knowledge, flexibility and enthusiastic approach stand guarantee for this.

Pouches and bags

Our solutions can handle the most complex packaging in large quantities, from 85 grams to over 3 kilos. Due to the flexibility of the packaging, these products are much more difficult to process than products in a fixed packaging. LAN has gained much experience in this worldwide and has all the specific knowledge required for handling (upright) bags and foil and film packaging.

Trays and dishes

The loading process with the sterilisation of plastic and aluminium trays is precision work. The handling requires precision not only because damage and faults must be avoided, but also particularly due to the precise positioning of the products in the sterilisation trays. This is why LAN has developed different positioning systems to form these products precisely in the right way under the vacuum frame.

Tin and glass

For the handling of tins, pots and bottles in the sterilisation process we have various techniques, such as magnetic, shift and vacuum systems. We use simple lifting tables as well as fully automated solutions that integrate seamlessly into the production line. The desired infeed and removal speed of the products and the corresponding systematics are normative with this.

A solution for every Autoclave

A production line setup and the type of transport from and to a Autoclave differs for each customer. Sterilisation Autoclave also vary in size, from small to very large. Autoclave can also be loaded and unloaded in various ways. As a specialist, LAN knows exactly how to deal with this. We are able to develop the best solution for every sterilisation Autoclave. Irrespective of the supplier of the Autoclave its type or size.

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