

inline

POWERFUL PACKAGING TECHNOLOGY ON THE ENTIRE LINE



Your partner in questions of packaging of food, chemical, pharmaceutical and technical products

INLINE offers...

- ... Packaging machines for film and carton packaging
- ... Dosing and filling machines for fluid and solid products
- ... Inspection machines
- ... Product handling and feeding equipment
- ... Gantries
- ... Project engineering and turnkey solutions
- ... Second hand machines
- ... Service, spare parts and training

INLINE advantages are...

- ... an optimum design of the packaging line according to the product characteristics and the customer packaging requirements
- ... the greatest possible flexibility for future changes, e.g. for the packaging style or extensions
- ... high efficiency and availability by complete system integration and a minimum of interfaces
- ... a high level of automation in the engineering of the complete packaging line, from product handling and feeding systems to the filling devices and through to the packaging machines
- ... fast and competent installation, commissioning and training



Powerful packaging technology on the entire line means...

Our customers are always offered a wide variety of services, which meet the constantly changing requirements of the market by the use of the latest processes and technologies.

A higher level of automation, an increase in output and accuracy, as well as a higher security and hygiene requirements, are the basic conditions to be able to exist in the global market.

INLINE helps you in the development of an optimal packaging solution for your needs.

INLINE helps with the installation and commissioning, INLINE go further, standing with you with its After Sales Service.

In cooperation with leading worldwide suppliers of packaging machines and inspection systems, INLINE is imposing with an extensive delivery and service program.

Use our experience from the most diverse range of industries and improve the success of your company by joining the INLINE community.

Peter Heilen
General Manager

Perfectly erected from the beginning...

there must be a carton before a product can be packaged in it – reliably, accurately and repeated exactly.



photo: Pattyn

INLINE offers you the optimal solution. Case erectors can be integrated into the project from diverse suppliers, subject to the customer requirements.

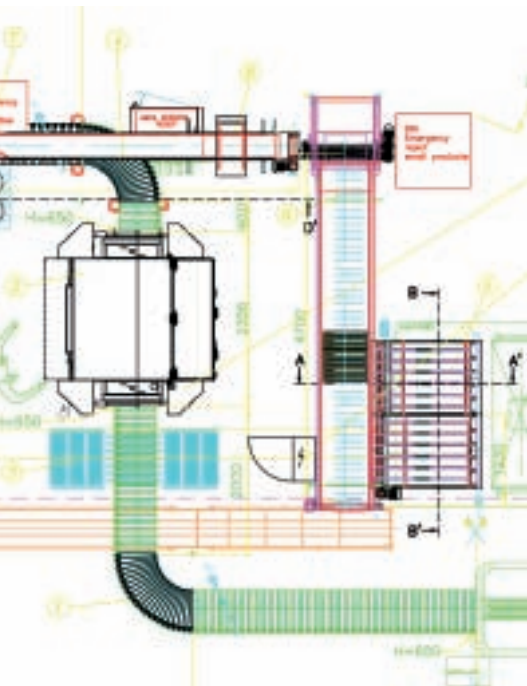
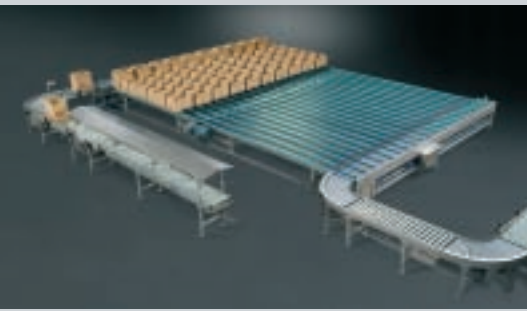
A changeover between different carton card formats should be achieved in a minimum number of operations, and be displayed to the operator on indication counters.

The carton flaps can be stuck together with hot glue and/or adhesive tape. Changeover of the format can be performed within the shortest time.

Optionally, the case erector can be equipped with a larger carton board magazine.

For project applications with larger carton board formats or carton flaps with adhesive tape, INLINE offers alternative case erectors.

Also appropriate here: INLINE offers for all applications the engineering and the delivery of the machines, including the necessary feeder technology.



At the end of the packaging line, after the carton box has been filled, the carton box must be closed and sealed. Here INLINE offers a fully integrated closer with adhesive tape, or alternatively also with hot glue.

INLINE offers the correct feeder technology for the correct applications, coordinated to fit your individual requirement profile and the space available in your facility, whether it needs to be driven-roller conveyors, turning stations or conveyor belts.

Test your turnkey line before final delivery either at our suppliers or at the INLINE facility, and get the functional security before installation in your own facility.

This is the INLINE definition of service.



It depends exactly on it...

...with the emphasis on “exactly”. And this must be applied to every product, with its own specific characteristics, an optimum filling and weighing unit.

INLINE offers a huge number of highly competitive and accurate systems – individual or integrated into the packaging system.

Linear Weigher

This system is particularly capable for powdery products, or those with the quantity is relevant as well as a high total weight.

Multihead Weigher

A specialist for lumpy or granulated products for the very accurate filling of snack products, paste, candy, salads, frozen food, detergent powder, or bakery products.



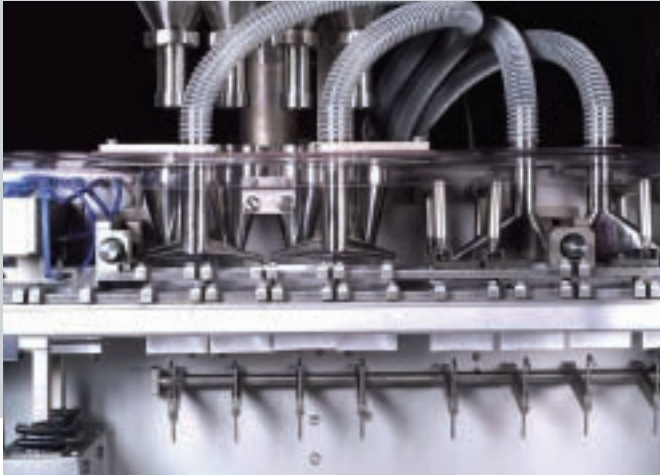
photo: Pattyn



photo: Yamato

Auger Filler

For guarantee of high accuracy, the auger filler with the servo motor control and high manufacturing quality can be easily adapted for powdery or fine granulated products.



Cup Filler

The simplest and lowest priced system for filling with solid or free flowing products. The dosing unit with servo motor control may be used as a single device or within an integrated packaging machine.



photo: Bossar



photo: Pattyn

Liquid Filling

A 2- or 4-head filler can be used for filling canisters, bins, carton boxes with inserted bags, with products such as semi liquids (butter fat, fondant sugar, or oils). Built-in scales in the roller conveyor provide extreme accuracy in monitoring the weight. Manufactured from stainless steel and fitted with an optional Clean-in-Place (CIP) system allows for an in-place wet cleaning every day.

Counting Machines

Especially for the frozen bakery industry, INLINE can offer counting machine. These unities are used baguettes up to small bread rolls, with the industrial packaging in carton boxes with inserted bags.

INLINE have the format...

...and cope with your expectations in nearly all cases– whatever format or packaging kind:

whether **carton or film packaging** – individually coordinated within your requirements, the product characteristics and the other line components, such as feeding, inspection system and the end of line packaging, INLINE offers state-of-the-art packaging solutions. INLINE sets high value on flexibility to do justice, in a contemporary way, to future changes or extensions to the packaging line.



photo: Bossar

Vertical Form, Fill and Seal Machine (VFFS)

Whether operating intermittently or continuously, INLINE offers the optimal packaging solution for your product applications. The integration of a suitable filling system or a turnkey solution with product feed-in and feed-out of the ready bags, makes the the delivery program complete. VFFS machines are designed specially to pack granular products, such as snacks, sweets, frozen food, bakery products or pasta.

Horizontal Form, Fill and Seal Machine(HFFS)

Whether 3- or 4-side seal bags, stand-up pouches, or Doy-Pack, Zipp refastening systems or straw applications are needed, INLINE offers the demanded solution. High output levels can be offered with quadruple feed execution. The packaging machine can be offered in stainless steel depending on the product, similarly for the filling machine.



Bag Inserter

For the industrial packaging of solid and semi liquid products in cartons, for example for caps and closures, frozen food, frozen bakery products, tobacco, sweets, fats and oils or chemical products, INLINE offers a bag inserter and bag decuffer closer. These machines produce the gusseted bags from a roll. These are offered as standard in stainless steel. Key features are reliability and robustness.

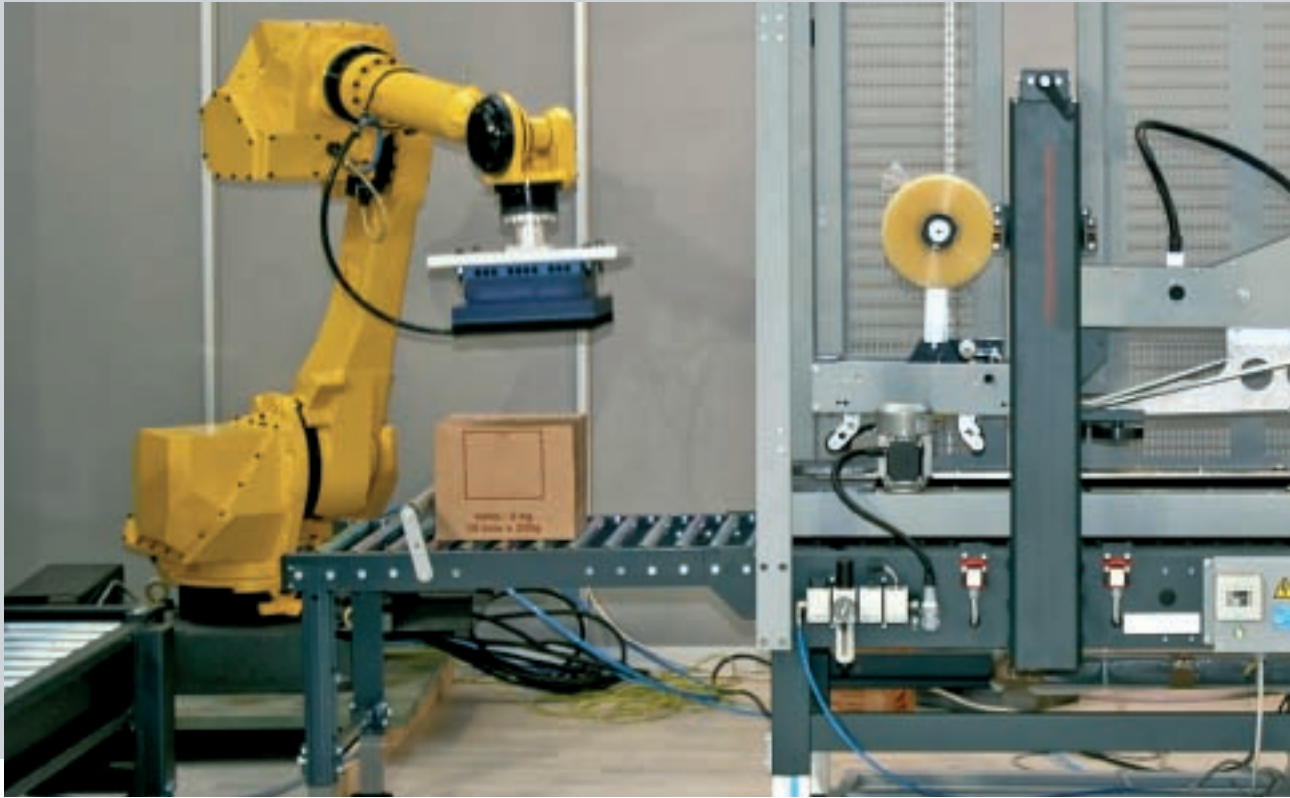


photo: Pattyn

Case Packer

INLINE offers the the correct loading system for your requirements, whether it be gravity, pick-and-place or side loading. The modular design allows INLINE to offer a customized machine, either in a painted or stainless steel version.





Tray packer, lid station and sleeve machines

Round packaging such as boxes and bottle, but also bags and folding boxes should be protected against external forces for transport purposes. For the so-called end-of-line packaging, INLINE offers a complete solution together with the inserted first packing and inspection. With this the customer is given the security of linking and synchronization of the process runs trouble free.

Bag decuffer closer

Heavier weights are often packed in inserted bags in carton boxes for industrial purposes. After filling the bag, the bag must be closed. For this, INLINE offers three different systems:

1. Bag decuffer folder
2. Bag decuffer sealer
3. Bag decuffer twister with labeler

Palletizing

At the end of the packaging line, the package must be stacked on palette for transport. INLINE offers this type of system and furthermore, integrates it into the design and development engineering for the complete line. Subject to the requirements and concept, robotic or layer palletizers are available.

In addition, if requested, the palletizer can be extended to incorporate a stretch wrapper for protection of the items on the palette.

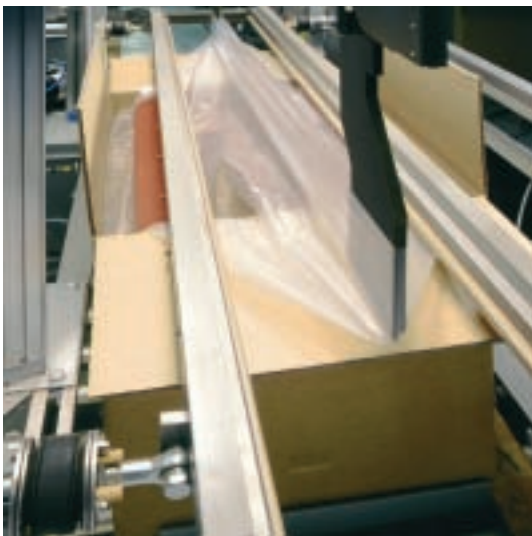


photo: Pattyn

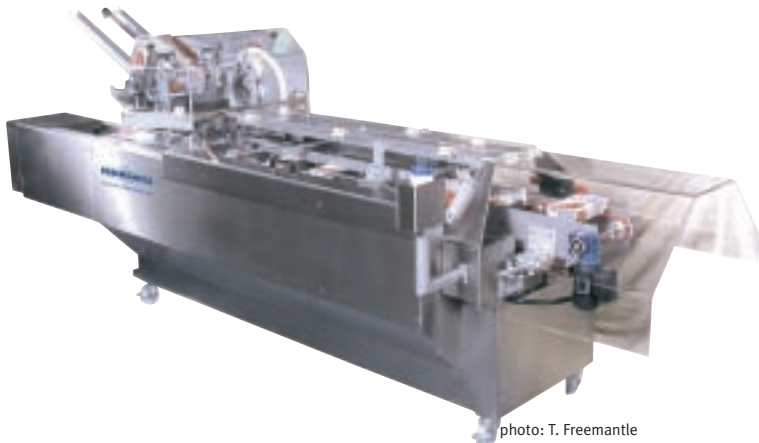


photo: T. Freemantle

Secondhand machines

If the investment in new machines is too high, or the production planning not yet assured for a longer period, INLINE can possibly help with overhauled secondhand machines. Ask for any actual machines that can be offered.

Sleever/Wrap-around cartoner

Plastic trays or bags are often packaged, in addition, in a folding display box. INLINE offers both fully- and semi-automated systems for this. A particular solution is the continuously running sleever machine with an output of more than 150 packs per minute.

INLINE looks carefully...

...as foreign body detection in the packaging industry is of very critical importance and is more just a case of metal detection. INLINE has recognized this fact quite early and offers excellent inspection systems; checkweigher (with or without metal detector), metal detector and X-ray devices.



Checkweigher

X-ray devices

Here INLINE offers two variations; a conveyor type system for solid products or a tube type system for liquid or pasty products. Foreign bodies comprising of iron, stainless steel, and non-metallic materials (such as glass, Teflon, bone or stones) are detectable subject to the surrounding material. Even a stainless steel wire of 0,28mm diameter can be detected. Special software functions allow masking of certain areas such as edges of the packaging or metal fastening clips, to recognize that products are missing or to calculate the weight of the product.

In combination with a metal detector, this system is extremely compact and offers many possibilities for application, as well as the additional installation later in the line. An extremely large number of different model dimensions are available together with a wide range of weight range scales, and offered in IP66, stainless steel or painted finishes. All checkweighers included in the INLINE program can be fully approved by the German PTB. This is an approval which will always be accepted at the customer facilities.



photo: Anritsu

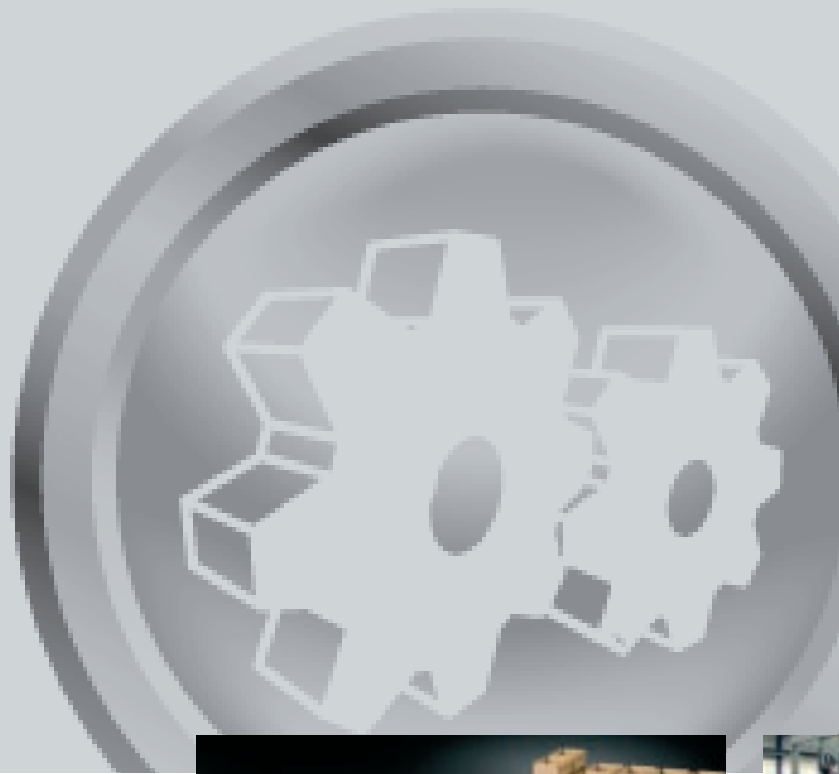


Metal detector

As a single device without a weightchecker, the metal detector will be delivered with its own conveyor belt. The newest development in this field is the so-called “Dual Wave” technology, which permits improved detection of iron and non-ferrous metals by the use of two dissimilar frequencies. These detectors can be offered in different sizes in order to achieve optimum layout for obtaining the required detection accuracy.

INLINE offers all inspection systems with a variety of reject systems, such as pusher, air jets, flipper arms, or movable belts.





What belongs to it...

...in order to get a product into the bag, the box or the carton, there is often more than just the one packaging machine and filling system.



How does the product get from the production process equipment to the packaging line and then afterwards to the end-of-the-line packaging? And how is the packaging machine or the filling machine built up?

INLINE develops and builds customized solutions that do justice to requirements such as the space available and the product characteristics.



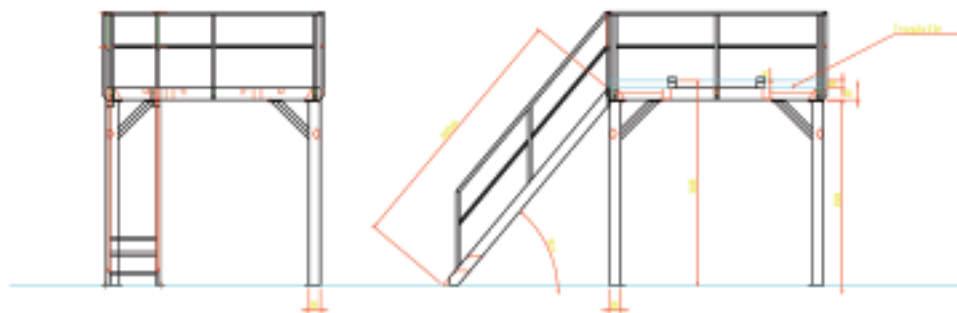
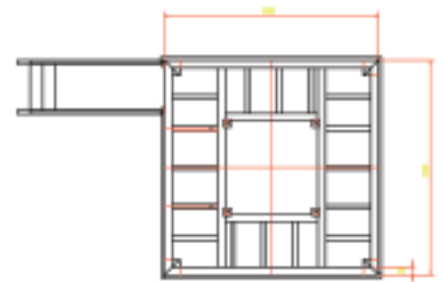


Feeding equipment

INLINE offers conveyor belts, roller conveyors, turning stations, vibration technology, and lifts for the feeding of your products. Besides this INLINE takes into account the individual product characteristics and optimize the solutions in regard to the feeding capacity and the available space.

Gantries

According to the packaging machine, the filling unit and the installation location, there is often a need for gantries and platforms. INLINE builds these from stainless steel according to the customer requirements. In addition, INLINE offers the customers washing places, stairs and hangers.



Special machines

Not all packaging tasks can be resolved by the use of standard machines. INLINE utilizes its comprehensive experiences and knowledge of the technical possibilities in order to offer individual specialist solutions. Thus INLINE develops for its customers, for example, multiple discharge systems for thermo-forming machines, rotary funnels or movable racks.

“Try us – we will find a solution.”



INLINE understands service...

...as a product accompanying service from the first customer contact through the project engineering, delivery, installation, customer service, up to the sale and delivery of spare parts. , and INLINE offers a highly competitive service and service package.

INLINE develops packaging and inspection solutions, and feel obliged to help the customers with words and deeds both during and after a project.

Engineering, project planning and project coordination

INLINE consults and plans packaging lines for the food, chemical, pharmaceutical, plastics, and metal processing industries. Furthermore, INLINE takes over the supervision from the investment planning up to the commissioning of the equipment.

Making of concepts/layout drawings

INLINE develops customized concepts and layouts for a financially optimum solution.

Sales of spare Parts

When needed, INLINE offers spare parts for all INLINE supplied machines, creating the shortest way to minimize production failures.



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1	300001	Ohren für Packmaschine
2	300040	Motorenkabel
3	300046	Schleifenkabel
4	300053	Charkasse
5	300053	Grundplatte festes Achse
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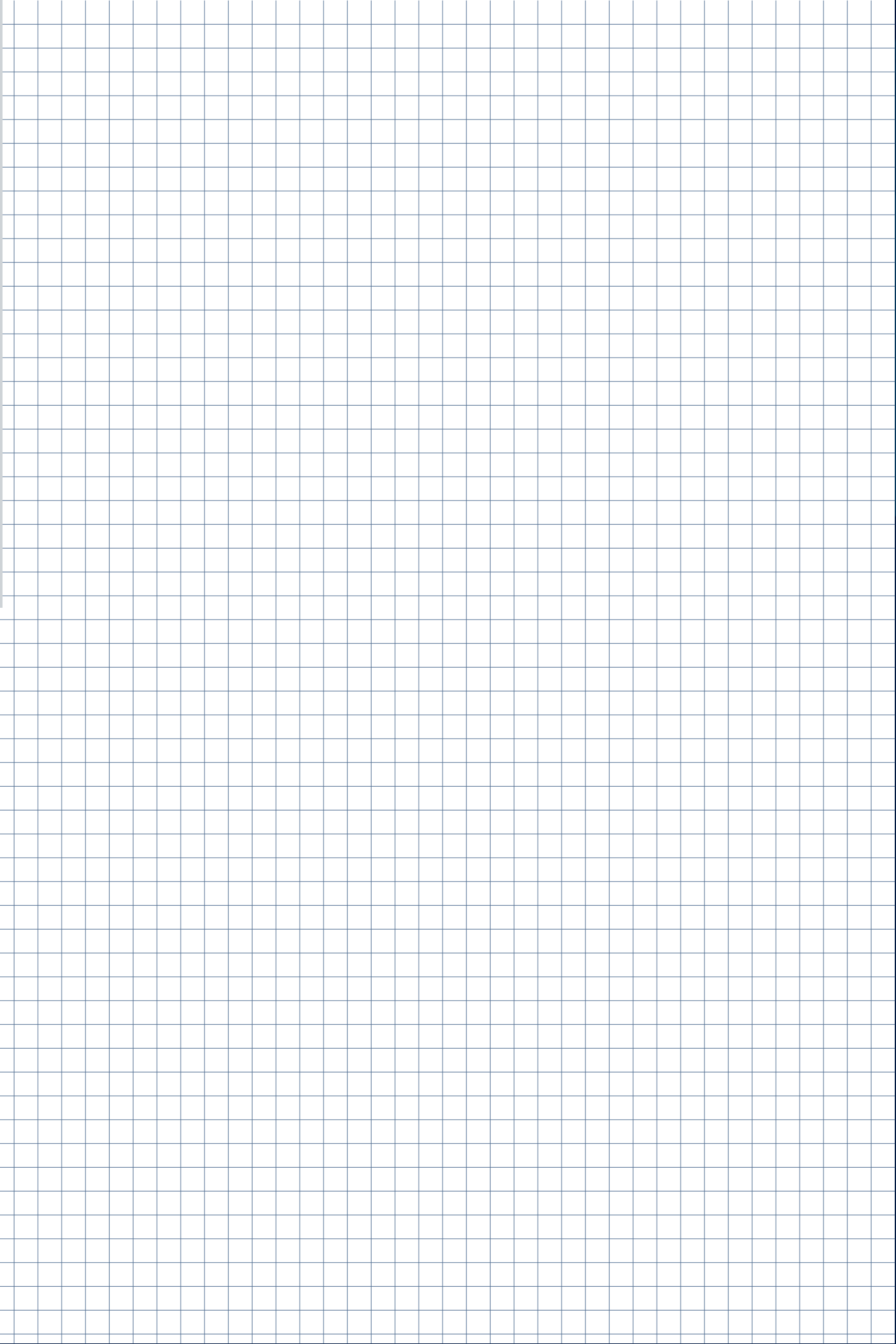
Service and maintenance

In the INLINE service department, whenever the telephone should ring, an engineer is on standby to go, if necessary, to the customer. The customer benefits from the shortest possible communication route. From the installation and the commissioning of the equipment to the training of the service staff, a service engineer is available for quick help at any time – round-the-clock and even on Sundays and holidays.

Technical training

INLINE offers technical training of the customer's operation and maintenance team at the supplier facilities or at the customer's site. The INLINE offer includes the operational instruction for setting and programming of the machines, as well as the servicing and maintenance. Thus the customer is able to perform initial troubleshooting and reduce the costs for the service engineer.

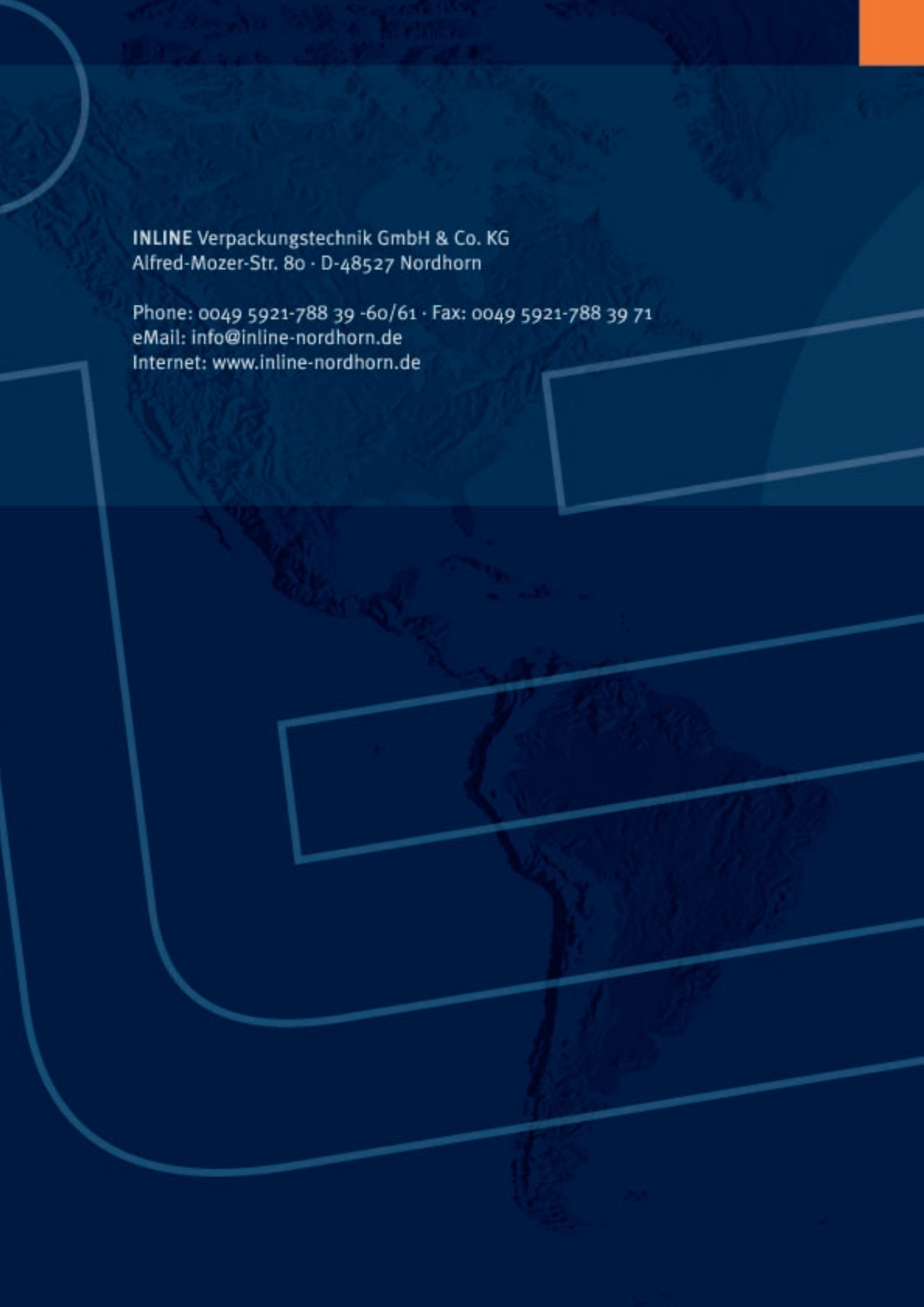
Notes



Visit us on the Internet and get to know even more
about the work of INLINE Verpackungstechnik.

www.inline-nordhorn.de





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