

# INNOVATIVE AUTOMATION SOLUTIONS

**ILSEMANN** **AUTOMATION**





## Ilsemann Automation

Ilsemann Automation has been supplying system solutions to the industry for more than 40 years. We combine highly dynamic takeout systems with precise automation solutions to handle the most complex jobs. The automation systems we deliver are successfully used by

our customers all over the world. It is standard for our automation lines to output ready-loaded pallets. Ilsemann Automation stands for reliable and well thought-out engineering that always puts customer benefits first.







### Worldwide in more than sixty countries

Companies in more than 60 countries use Ilse Automation takeout systems and automation solutions in their production. Key industries are food packaging, medical, healthcare as well as automotive and multimedia. Various standard

systems are available for the production of IML products, plastic cutlery and disposable dinnerware, petri dishes, spray caps, multimedia boxes, etc. We focus on providing the most efficient solution for any of your applications. Our customer service will be there

for you with technical telephone and e-mail support, fast spare parts delivery and on-site service.

Our east coast office in the US provides qualified on-site service in North, Central and South America.







# FOOD A CLEAN SOLUTION

## High-quality packaging

Convenience products for humans and pets are becoming increasingly popular. Appealing high-quality packaging is therefore of crucial importance.

In addition to protecting the product it has also assumed a critical marketing role. Food sold in multi-component food trays presents new and special challenges that packaging is expected to meet.

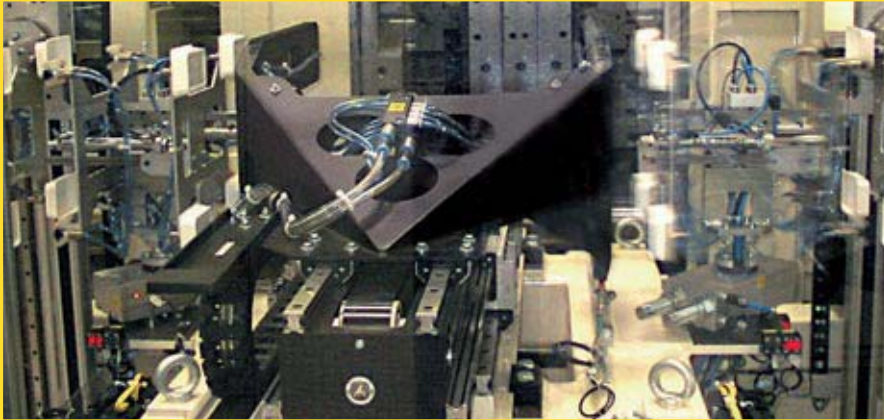
IML is now used for closures as well and is gaining in importance.

To further extend the shelf life of foodstuffs packed in plastic packaging, packaging has to have enhanced barrier functions. Together with our customers' research departments we develop new approaches to implement forward-looking solutions today.

- **High-speed takeout**
- **IML systems**
- **Oxygen barrier**
- **Closures**
- **Retail packaging**







- **Cycle times shorter than 2.5 sec.**
- **Takeout times shorter than 0.25 sec.**
- **High number of cavities**
- **Suitable for single and stack molds**
- **Integration of down-stream processes**

### **From production to packaging: everything from one single source**

Today our automation systems produce a wide range of products from straight-forward drinking cups to reusable beakers with hologram 3D labelling including plastic cutlery and disposable dinnerware.

Reducing cycle times is the key to cutting unit costs.

With total cycle times shorter than 2.5 sec, our systems are unique in that they feature excellent takeout times shorter than 0.25 sec for single molds

as well as stack molds with eight cavities or more. Naturally, these highly dynamic processes enable the downstream integration of optical quality inspection, stacking, packaging and palletizing.







# IML TECHNOLOGY MORE THAN JUST DECORATION

## High-availability precision

IML food packaging is increasingly taking over from conventional packaging. Its key benefits such as durability and the print quality of the labels confer an enhanced, premium image to the packaging and dispense with the need for printing and labelling.

The quality of the finished product is already determined when the label is passed from the magazine to the insertion gripper. The subsequent positioning of the labels inside the mold is performed by our proven high-precision systems.

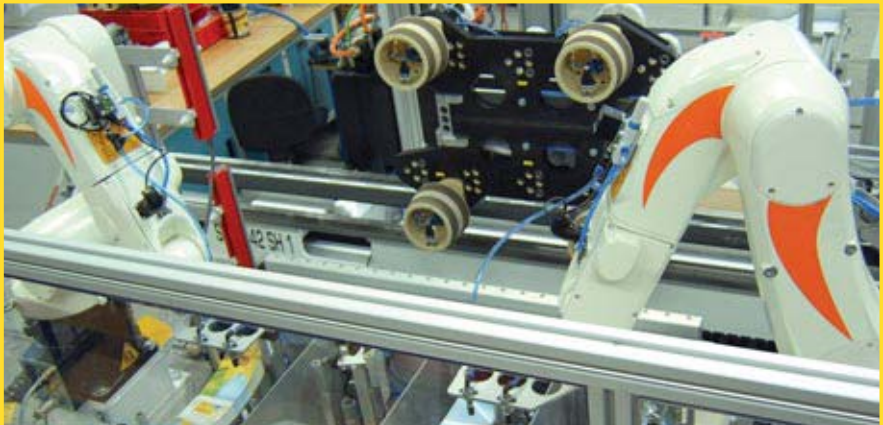
Naturally, our IML systems also feature very short cycle times, not least due to the use of the innovative, low-weight carbon end-of-arm tooling.



### SideMotion 700 IML

IML automation for 4+4 stack molds with visual inspection and stacking unit

- Precision
- High availability
- Quick and easy format change
- Low space requirement
- Short cycle times
- Flexibility



### Ultimate flexibility

We have developed a highly flexible IML system for the production of various low-quantity products. The system can be reset and changed rapidly between various product sizes and even different cavity numbers. The ease and speed of format change ensures that the system is extremely economic.

Our product range comprises both lateral product picking with simultaneous insertion of the label as well as customized downstream processes such as assembly, quality control, stacking, and packaging in various packing units.

### More than just food packaging

In addition to automation solutions for traditional food packaging, we also supply systems for the production of buckets and bottle crates using the IML process. The systems are suitable for molds with one or

two cavities.

Here too, further processes such as insertion of handles or soft-touch handles, stacking, packaging, or palletizing can be easily integrated into the system.

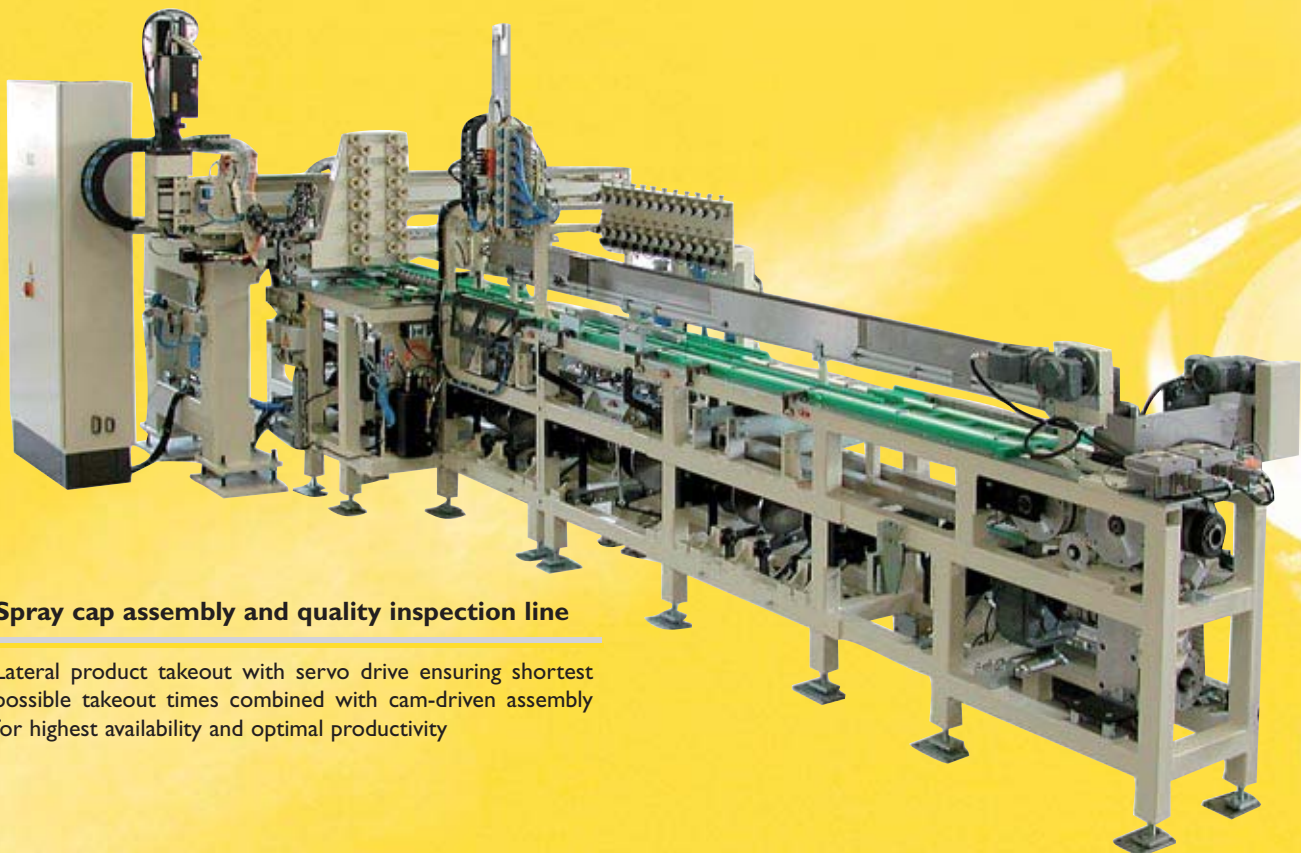
- High number of cavities
- Carbon fibre end-of-arm tool
- Quality controls
- Packing







# BODY CARE ATTRACTIVELY PACKAGED



## Spray cap assembly and quality inspection line

Lateral product takeout with servo drive ensuring shortest possible takeout times combined with cam-driven assembly for highest availability and optimal productivity





- **High availability**
- **Shortest cycle times**
- **Durable**
- **Low-maintenance**
- **Adds high value**

### **Our technology for your well-being**

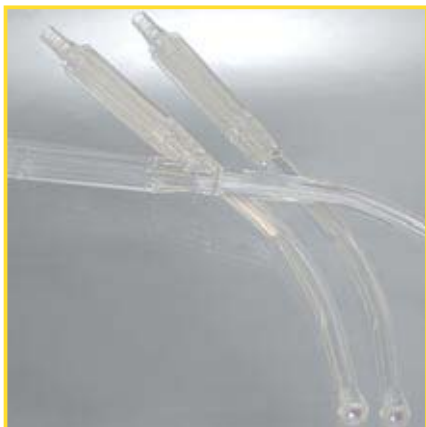
Packaging no longer just stores and protects a product, it also communicates something about the content and its properties. Thus, expectations as to the design and

quality of packaging are continually increasing. Our customized automation systems ensure that you fully meet these expectations. Our highly experienced teams will be keen to face

the most complex challenges in the assembly of components. Ilseemann Automation systems safeguard your value added process through high availability under production conditions.



# MEDICAL AND PHARMACEUTICAL TOP QUALITY



## Meeting medical standards

You make sure that people get well and stay that way.

Our automation systems for medical equipment optimise the quality and safety of your production process.

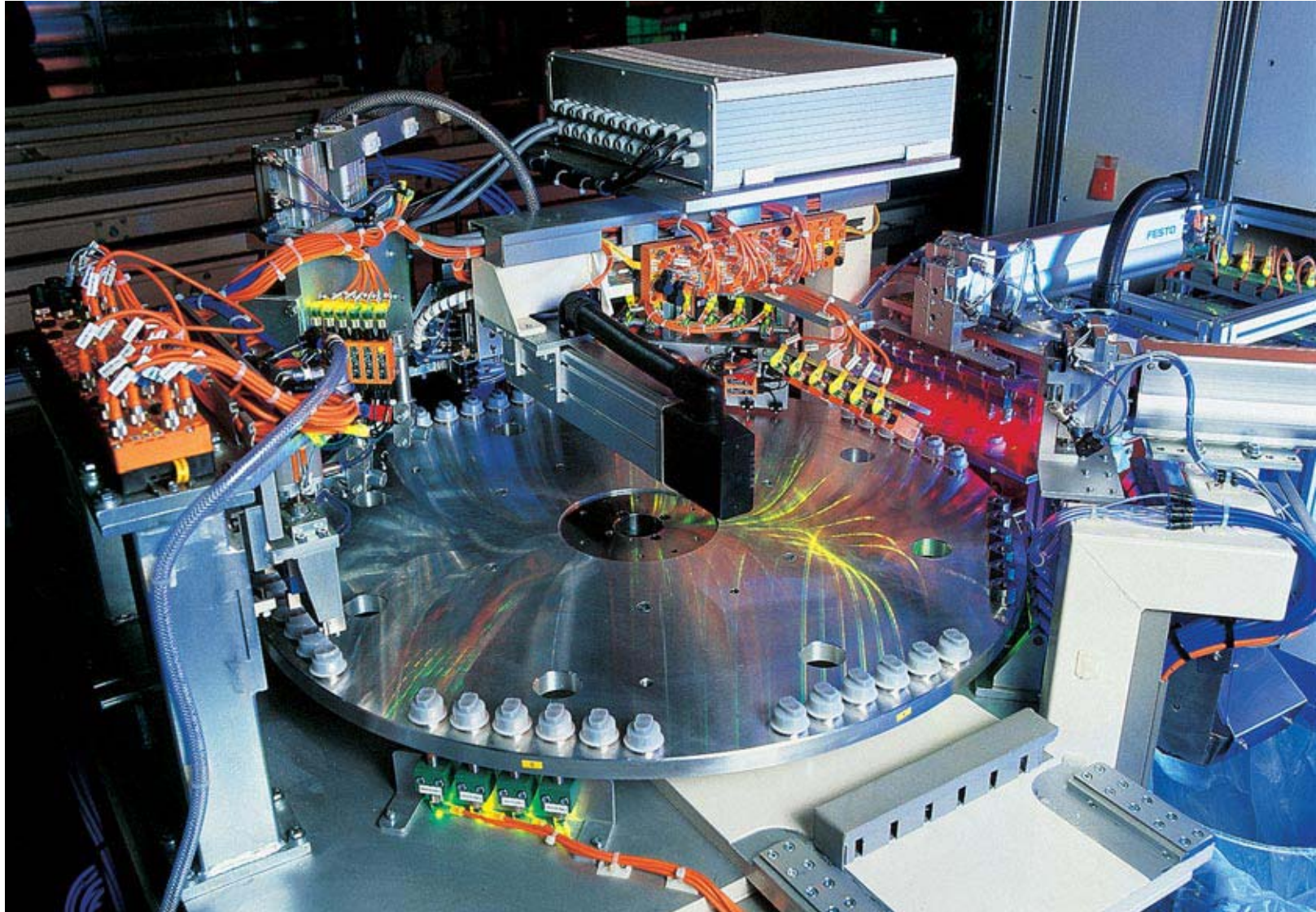
The special packaging required for medical equipment can be realised

through our add-on systems.

The systems are suitable for the use in cleanrooms up to the highest class. To support your validation, we optionally supply the cGMP-conform quality documentation for our automation systems.

- For high class cleanrooms
- Conforms with cGMP
- Process safety
- Assembly systems
- Quality control
- Retail packaging





### Assembly, inspection, and packaging solutions

Our automation systems set themselves apart by their innovative ideas and customer-focused solutions.

For your application we supply entire lines, comprising article assembly, foil-bagging machines, cartoners, case

packers for packing in transport cartons, as well as various palletizing options.

Removal and subsequent handling of smaller products is no problem for us even if the number of cavities and the

number of packaging units differ. We have developed suitable transfer systems which compensate for the different numbers of units and supply the products to the transfer gripper at a suitable rate.



# GLOBAL & SER



Isemann Automation

Isemann Corp.









### Knowledgeable advice right from the start

Why do we go and see our customers with a blank sheet of paper? Quite simple: When we design automation systems, we don't believe we need to have the concepts ready when we come to see you. We want to ask the right questions first. And then we carefully listen to you. Extensive know-how combined with

years of experience will turn this into a new, pioneering design that will give you a competitive edge. The willingness to communicate openly and the ability to see beyond the current project are the best ingredients for a partnership that benefits both.

- Customers in 60 countries
- Local offices
- Agencies and representatives
- Local sales



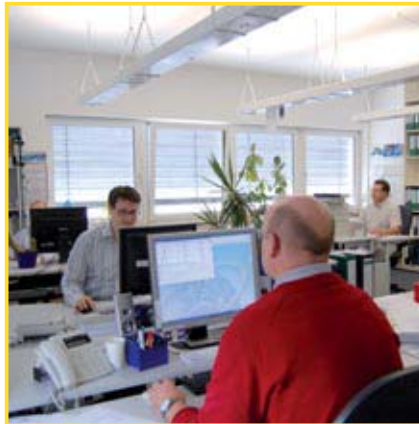


## Perfection down to the last detail

The consistent use of 3D CAD systems means our automation systems are designed and planned down to the last detail. The use of specialist simulation software enables us to identify and remedy collisions during the design phase. It is no longer necessary to waste time and money by modifying finished systems.

And because every single engineer is in touch with the assembly, the finished design is always practical.

Naturally, our designs are validated using all the major tools such as design review and FMEA. As customer, you are involved in all the important steps right from the start.



- **3D CAD systems**
- **Simulation of movement sequences**
- **FEM analyses**
- **Design review**
- **FMEA validation**



- **In-house production**
- **Supplier integration**
- **Highest quality standards**
- **Validation and verification of incoming goods**

## Everything from one single source

A very large proportion of parts is produced in-house. Our specialists regularly audit our suppliers, with whom we enjoy long-standing relationships.

As a result, we achieve top quality in

part production as well as final assembly.

Before delivery, an endurance run tests the quality and ensures optimal functioning under production conditions.



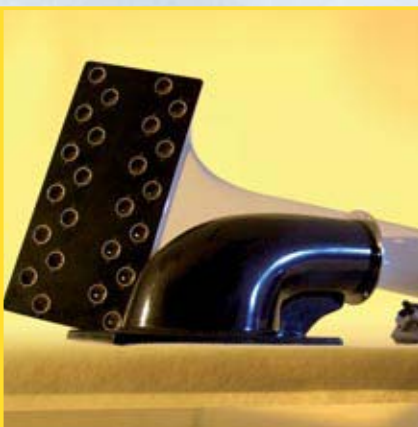


### We spend a lot of money to safeguard your production

It has always been our philosophy that in order to maintain the highest quality standards it is best to have all the manufacturing stages under one roof. We have short lines of decision. From sales to line design and component design, part production,

preassembly and final assembly to the programming of our machines and the production of switch cabinets, everything is done in-house. Every machine is put through extensive tests before delivery.

- **Component design**
- **Switch cabinet manufacturing**
- **Final assembly**
- **Programming**
- **Test runs**
- **Final inspection**





- **Technical support hotline**
- **Worldwide on-site service**
- **Modern spare parts warehouse**



**Worldwide delivery and quick service to safeguard your production**

The team from our technical service department will provide immediate and effective telephone support, with specially trained technicians available to assist you on-site all over the world. A modern paternoster warehouse ensures the quick delivery of parts worldwide – in most cases even overnight.







# PLASTIC CUTLERY CONVENIENTLY PACKED

## Stacked or as a set

We have developed special automation solutions for the production, stacking, and packing of plastic cutlery. After removal from the mold with up to 96 cavities, the system will stack up to 50 products on top of each other. A plastic banderole can be placed around the finished stack before plastic bagging it. The

bags are packed in cartons and/or shipping cases and palletized fully automatically.

Separate solutions are available for the assembly of freely configurable sets. For example, a napkin and other items such as tooth picks or spice sachets can be added to the cutlery sets.

- **Stacking**
- **Banderoling**
- **Plastic bagging**
- **Cartoning**
- **Palletizing**
- **Set assembly**







# CARTONING SIMPLE & SECURE

## Packaging solutions

Today, most products are produced a long way from their eventual place of use.

With the Ilsemann Automation cartoning systems, you can pack your products safely and reliably in cartons and close them fully automatically. Our cartoning systems can be optionally supplied with integrated palletizing. These combined systems

are equipped with one single central control.

Naturally, our palletizers are also available as a separate solution or as central palletizers for several production lines when you wish to expand your existing system. You can select the palletizing scheme depending on your customers' requirements.

- **Compact design**
- **Integrated palletizer**
- **Central control for cartoner and palletizer**
- **Cartons may be labelled on as many sides as you like**





### SideMotion 100

The little one: for single molds – disappears in the housing of the injection moulding machine.



### SideMotion 300

The fast one: for medium size single molds with only a few cavities.



### SideMotion 500

The fastest one: twin telescopes mean shortest takeout times.



### SideMotion 700

The versatile one: for a high number of cavities and large items in single and stack molds.



# TAKEOUT SYSTEMS HIGH-SPEED SOLUTIONS

## SideMotion

Our lateral insertion and takeout systems are consistently designed for top acceleration and traversing speeds to implement shortest cycle times.

Non-moving system components such as base frame and guides are solidly built for durability. To make

best use of the performance of the drives we employ low-weight carbon fibre end-of-arm tools. They are custom-designed by specialists and produced in our in-house carbon fibre design and production unit. A competitive advantage that you benefit from.

- **Rigid steel design**
- **Carbon fibre end-of-arm tool**
- **Shortest cycle times**
- **Highest efficiency**
- **Servo technology**
- **Small footprint**





### TopMotion 200

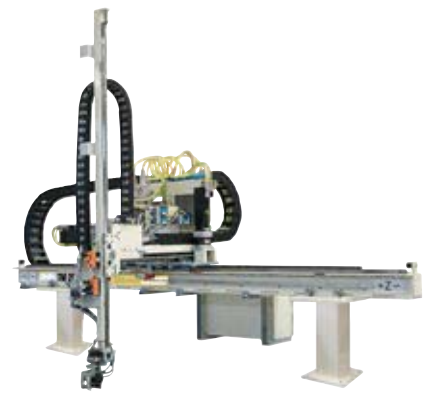
The low-cost one: for takeout and handling small and light products.

### TopMotion 400

The proven one: for takeout and palletizing jobs.

### TopMotion 600

Our bestseller: for all major articles.



## TopMotion

Takeout systems in five different sizes are available for the vertical automation of injection molding processes. The three main axes feature servo drives. Additional swivelling axes are pneumatically or servomotor driven.

A comprehensive set of units for the flexible and quick automation of your production is therefore available to you.

### TopMotion 800

The big one: for the production of crates and boxes.



### TopMotion 1200

The strong one: for handling weights in excess of 100 kg is standard for us.



HI-TECHNOLOGY

HEINO  ILSEMMANN

# PACKAGING SOLUTIONS





## Heino Ilsemann GmbH

Heino Ilsemann was established as an engineering office specialized in the design of packaging machines in 1965.

Today we deliver a wide range of versatile packaging lines for the pharmaceutical, tissue and multimedia

industries.

Our name is synonymous with reliable, robust and low-maintenance machine construction.

Since 1998 Ilsemann Automation has been part of the Ilsemann Group.



## Our machines are used in more than 60 countries worldwide

Our complete product range includes packaging, foil-wrapping, blister machines, cartoners, various feed and buffer systems, and fully automatic palletizers for almost any product in the pharmaceutical, tissue and multimedia industries.

Our customers use Heino Ilsemann

machines and systems in more than 60 countries worldwide. We are focused on providing our customers with the optimal solution for any application. Our service team stands by via telephone hotline or e-mail support, rapid parts delivery and on-site assistance to safeguard your production.

A global network of agents ensures qualified advice and excellent service nearby.

Our branch office on the east coast of the USA provides technical on-site service in North America, Central and South America.



- Customers in more than 60 countries worldwide
- Branch offices
- Agents
- Local sales



## Packaging health

Our blister machines combine innovative ideas with quality, flexibility and operator friendly design demanded by companies in the pharmaceutical industry.

Characteristic features: cGMP conformity, short changeover time, user-opti-

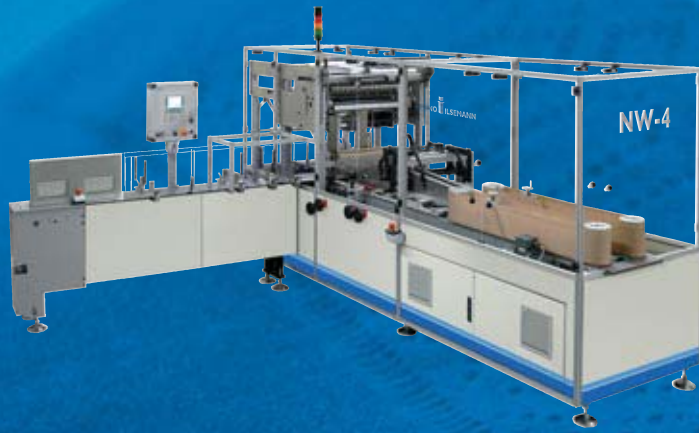
mized handling, small foot print and servo technology.

Upon request we support our customers to obtain the validation, we deliver the cGMP-compliant qualification of our pharma packaging machines.

- Pills and Capsules
- Blisters
- Tubes
- Ampullae
- Oblongs
- Vials
- Make-up



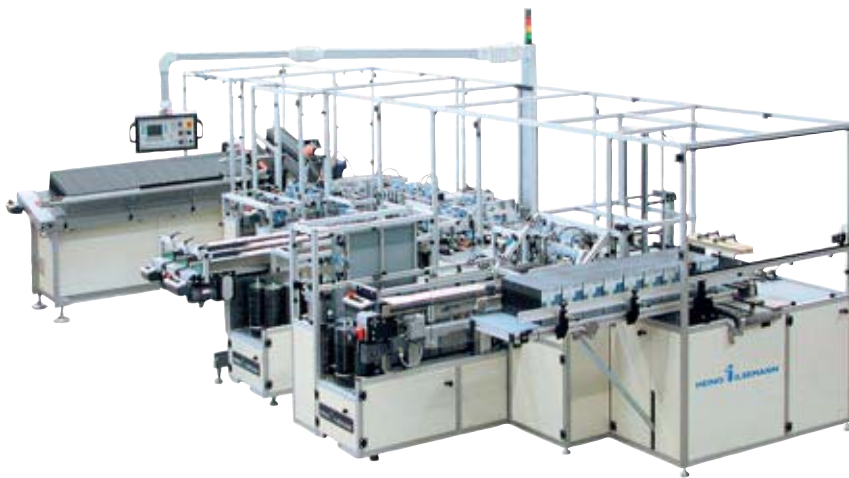
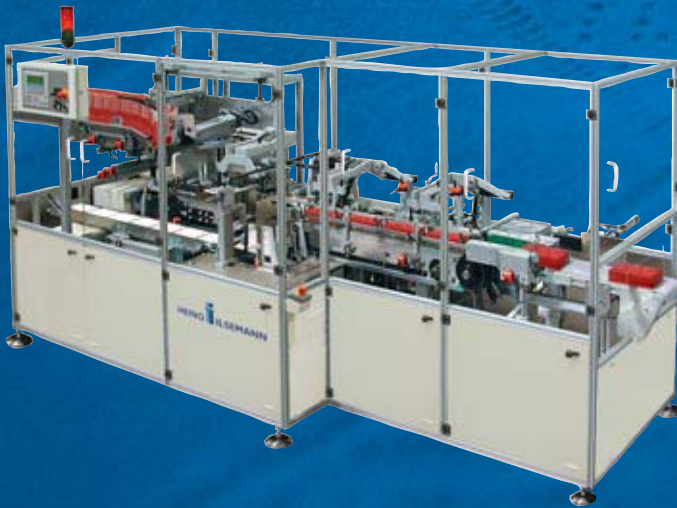




### Complete packaging solutions for the tissue industry

For most of the products of the tissue industry we offer cartoners, case packers, banding machines and palletizers. Ask us.

We deliver cartoners for facial tissues, which process the commercially available folding boxes. In addition we offer case packers and palletizer.



### Experts for packaging solutions for the multimedia industry

We design, develop and manufacture complete packaging lines for almost every packaging task in the multimedia industry.

Our comprehensive product range covers packaging machines, cartoners, palletizing systems, sleeving machines and handling systems.



**HEINO ILSEMANN**

**ILSEMANN** *AUTOMATION*

**ILSEMANN CORP.**







### On-site in America

Ilseman Corporation, located just outside of Philadelphia, PA, is a full service center for our customers in the Americas. Our extensive spare parts inventory allows for quick turn-around of parts orders. We offer telephone and on-site technical service for our equipment

directly from our Philadelphia facility. In addition we can offer our customers operator and technician level training opportunities in Bremen and Philadelphia. Visit our showroom to see the machines performing.

- **Local sales contacts**
- **Technical support**
- **Spare parts warehouse**
- **In-house or on-site training**







Ask us. We have the solution. Your solution – the Best.

**Customer service and technical sales across the world**

We offer consultation and sales.

For further information please contact us at one of the listed locations. The request will be forwarded to your local representative.



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**ILSEMANN** *AUTOMATION*



# INNOVATIVE AUTOMATION SOLUTIONS

**PLASTECH**  
— SOLUTIONS —

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