

KLÖCKNER

PACKAGING MACHINERY

Creating a New Measure of Performance

For more than 50 years the name Klöckner has represented efficiency, technology, and quality in the packaging industry.

Now three of our companies (Bartelt, Hänsel, and

Tevopharm) will be operating as one—Klöckner Packaging

Machinery—bringing you the benefits of their diverse and

valuable packaging experience.

Hänsel was founded in Dresden, Germany, in 1918 and is now located in Hannover. The firm developed a wide range of processing and packaging machinery primarily for the confectionery industry. Hänsel joined Klöckner in 1989.

Beginning as a tool and die firm in Rockford, Illinois, USA, Bartelt Engineering in 1949 designed its first packaging machine. Now recognized as the pacesetter in pouch and cartoning systems for the food industry, Bartelt joined Klöckner in 1989 and is located in Sarasota, Florida.

Founded in Schiedam, The Netherlands, Tevopharm originally developed capsule filling machinery for the pharmaceutical industry. Then, in 1962 the firm created the first flow wrapper machine, and became a world leader in the food packaging industry. Tevopharm joined Klöckner in 1985.

Now, as Klöckner Packaging Machinery, our technical competencies lie primarily in food industry systems. However, Klöckner packaging technology has also been used in a wide variety of non-food-related industries, such as pharmaceutical, personal care, and household goods. Specializing in feeding, wrapping, pouching, and cartoning systems, we offer proven packaging solutions that feature flexibility and fast changeovers for high efficiencies.

We have been successful because our customers think of us as an active, ongoing partner in their businesses long after the sale. Basically, they have kept us on top in packaging because we offer them total performance.

In working with large and small companies around the world, our quality staff makes the difference. We will be an active, ongoing partner in your business long after the sale. Klöckner has developed an integrated engineering, sales, service, training, and support network to serve you completely. Now you can make one call to one source. You will get fast answers as well as the benefits of global sourcing and round-the-clock service.

And you will get Klöckner performance every time.



Generating Customer-Driven Solutions

By committing to improvement through innovation, Klöckner also commits to your success and profitability. In creating the world's most advanced packaging systems we find better, simpler, more efficient ways to get your product to market. With fewer parts, lower maintenance costs, and less waste, our machines bring you higher profits.

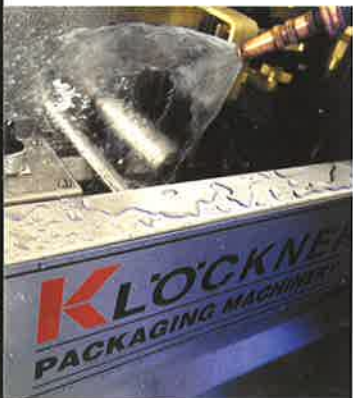
Our engineering gives you bottom-line, value-added benefits. Available in a variety of formats, Klöckner machines comply with global regulatory requirements. They are quiet, uniquely flexible in configuration, and in many instances, self-diagnostic for ease of maintenance. Some of our latest models have been designed for easy wash down.

All our machines are designed to minimize changeover to respond to varying production requirements. Many Klöckner control systems have modern capabilities, so we can log on to a machine and diagnose problems—no matter where the machinery is located.

As your supplier and partner, Klöckner brings a wealth of customer-focused production know-how—whether we are providing a single packaging machine or a total packaging solution.



P a r t



Hose down capabilities provide hygienic, efficient cleanup, maintenance, and service.



Listening to our customers' needs allows Klöckner to produce successful packaging solutions.



Confectionery

Biscuit/Cracker

Snacks

Pet Food

Other Food

Non-Food-Related
Products

n e r s h i p



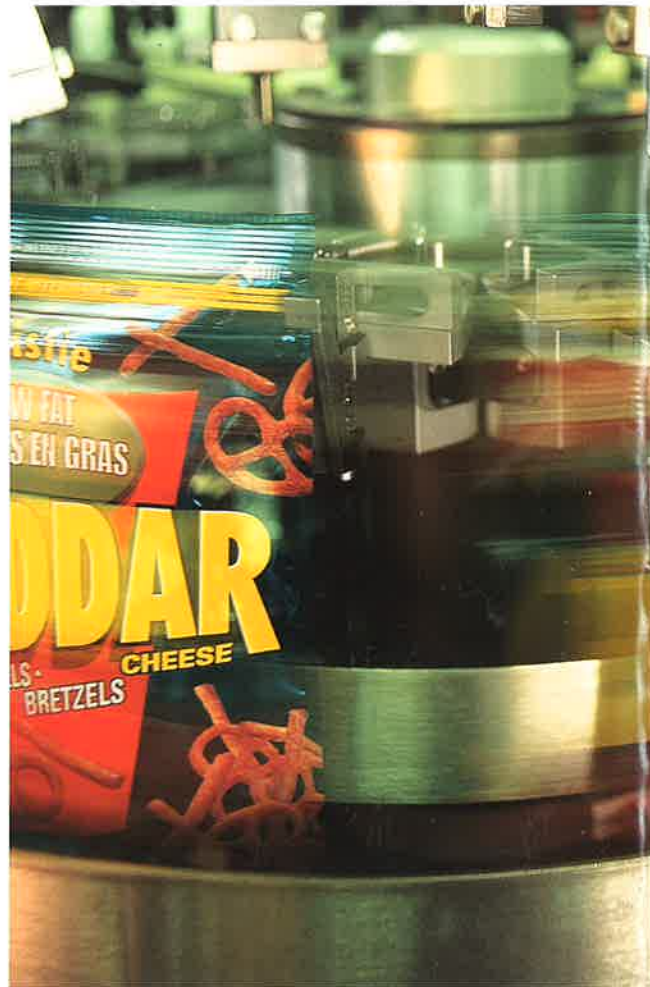
All-Purpose, Multi-Function Machines

Klößner machinery maximizes your return on investment by making your operation more efficient and your business more profitable. We help get your product to market faster and more economically. The key is versatility:

- *Different products can run on the same machine.*
- *Most machines are available in a variety of footprints, providing alternatives in the production line layout.*
- *Proven designs maximize package and machinery efficiency.*
- *Most machines can be adapted to your requirements—whether you're packaging bars, particulates, or liquids.*

Versatility is the concept behind Klößner machinery. Our machines can produce pouches, cartons, and wrappers in a wide variety of different shapes, sizes, and materials. Further, machines can be fitted with a full range of filling systems for liquid and dry products.

Klößner machines are safe to operate, sanitary, and built for heavy-duty, constant-run operation. Seal integrity and consistent filling are standard. Most important, setup and size changes can be accomplished quickly and easily.



v e r



Klößner offers a wide range of pouch forms, including reclosable features, such as zippers.



A variety of pickoff mechanisms securely transfer product.



Feeding, storing, buffering, collating, orienting

Flow and twist wrapping, envelope-style wrappers, overwrappers

Cartoning, tray packing, case packing, and bundling

All varieties of pouch packaging, including resealable zippers



s a t i l i t y



Joining Design and Components

Packaging today is a complex and demanding business. Not only are the processes themselves often complicated, but changes in package design, product quantity, and package size demand rapid response to your markets.

A number of machine components must be integrated to create a fully functioning packaging line. Operators and maintenance personnel must be easily trained and efficiently used. Packaging lines must be planned for volume production yet quick changeover.

Klößner works with small and large companies alike to achieve this kind of integration so your line will function at peak performance. Our experts are always available to ensure seamless integration of your packaging machinery. That means you can depend on us for full service and support after the installation.

Now, by integrating our systems and vast resources, we can offer you the most comprehensive resources in packaging. Klößner is truly the world's one-stop source for fulfilling every packaging production need.

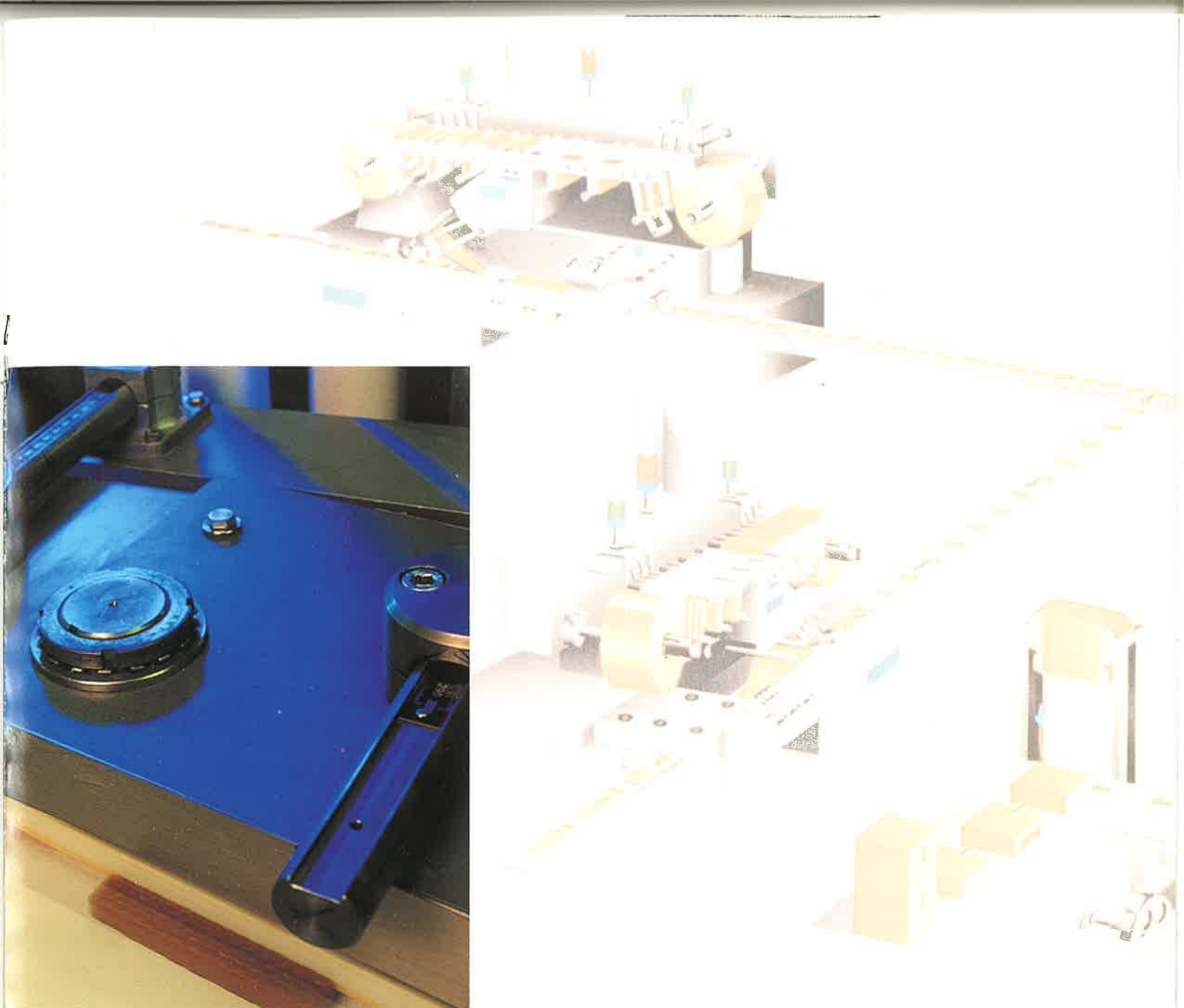


Int



The vacuum gripper turns product 90° and transfers for further processing.





e g r a t i o n



Mastering Technological Change

The heart of our business is innovation—making changes to do the job better. One of Klöckner's pioneering innovations recently has been to maximize the application of servo technology. It has made us the worldwide leader in proven servo machinery design.

Why servo?

- *Modular design with fewer parts*
- *Greater flexibility*
- *Quicker machinery delivery*
- *Higher speeds*
- *Less noise and maintenance*
- *Sanitary design*

To help make your time more productive, our new cartoner can be changed over in five minutes, compared to the standard of several hours. Wrappers and pouchers can now change over in minutes, not hours. Our machines represent the most cost-effective and flexible designs in the industry.



I n n



Touch screen control panel incorporates diagnostics, maintenance, and trouble shooting data in an operator-friendly format.



The servo-driven lowerator is a customizable feature based on product grouping and carton specifications.



Servo technology

Digital control center

Fiber optics

Sequential functioning

Balcony design

Touch screen

SmartWait

o v a t i o n



Dedication to the Details

To provide consistent quality production for you, we can demand no less of ourselves. Every detail of the manufacturing process at Klöckner is scrutinized for strict compliance with current Good Manufacturing Practices (cGMP).

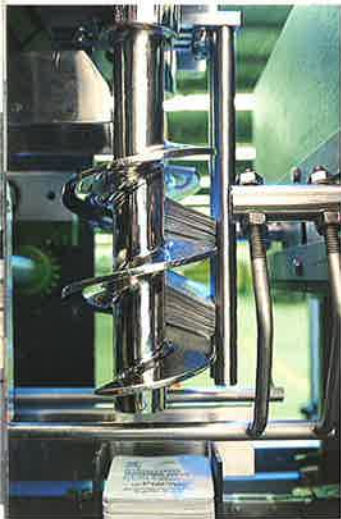
The result is machinery designed and constructed that meets the highest specifications in the packaging industry for performance and reliability.

Genuine Klöckner (OEM) spare parts are always available, and machines can be refurbished at our factory. Downtime is minimized; productivity maximized.

Quality results from our company's complete dedication to the ideals of partnership, performance, and innovation. For Klöckner these are not simply words but criteria we live by.



Q u



Optional features, such as the helical feeder, give Klöckner customers maximum operational efficiency.



Flap tuckers are fully servo driven for seamless operation and maximum productivity.



Heavy-duty stainless steel construction

Servo motor technology

Customizable electronics

Longer equipment life

Consistent production

Increased productivity

Hygienic design

ality

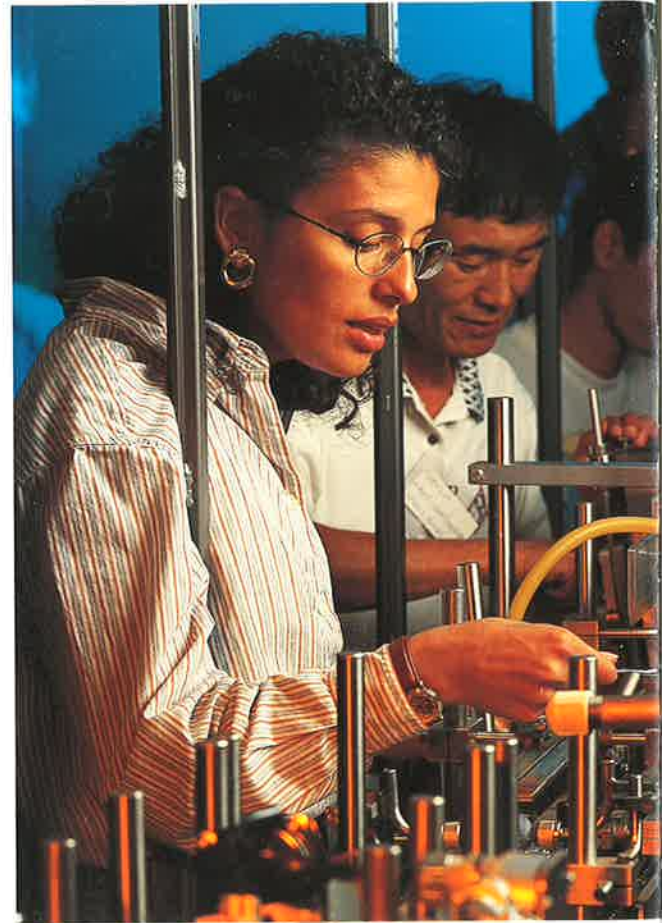


On Call Around the World

The entire Klöckner global team is dedicated to bringing you singular, proven, and practical solutions to packaging problems. Sales, field support, and training staff all function as one team. The team will develop a working partnership with you and be on call 24 hours a day.

Our global engineering and technical support staffs have experience working in many countries—but they all speak the Klöckner language. Each is readily available to diagnose and solve production problems, to control, install, and repair machines anywhere around the world.

In short, the Klöckner service staff is there for you. In every sense of the word, we are partners.



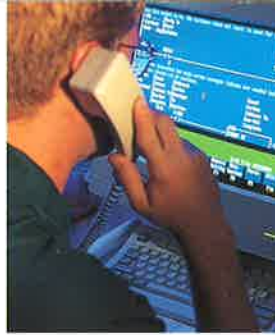
S e r



Klöckner engineers test fill weights and numerous material variations in order to recommend the most efficient packaging solutions.



Modem capability
gives Klöckner
customers immediate
access to on-line
service technicians.



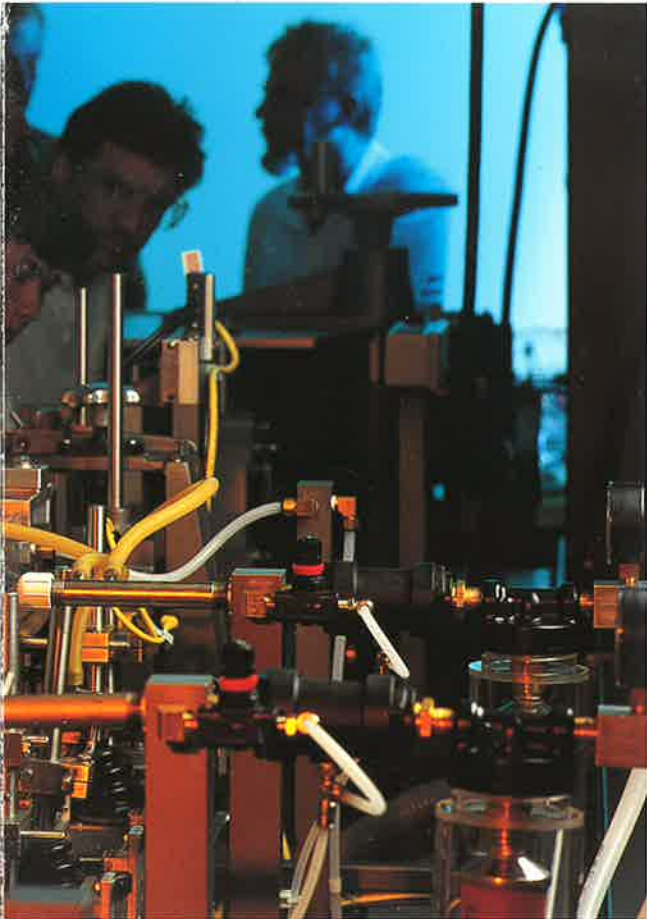
Global engineering
and technical support
for on-line assistance

Modem capability

Worldwide training
and education

On-site installation
and service

On-time delivery



v i c e





KLÖCKNER

PACKAGING MACHINERY

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The types of products pictured in this brochure are capable of being packaged on Klöckner equipment. The appearance of any product is not represented to be an endorsement of Klöckner equipment by the producers of that product.