



Klöckner-Bartelt
Klöckner-Hooper

Packaging Machinery

GLOBAL PERSPECTIVE



Many of the products which you come in contact with every day are packaged on machinery designed and built by Klöckner-Bartelt and Klöckner-Hooper. Some examples of these include food products, beverages, hardware and cosmetics, as well as health care, pharmaceuticals and medical devices.

For over forty-five years our machinery has provided innovative, reliable and cost-effective systems to meet the packaging needs of major companies around the world. As part of the Klöckner family, we now belong to a diversified international group of inter-related companies, providing products and services to industry throughout North America and the world.

Operating as an independent profit center, we have the freedom to act and react quickly to market needs and develop new technologies and systems. Yet, we benefit from a coordinated program of synergistic growth, providing a strong resource base to better serve our customers and their related packaging requirements.



KLÖCKNER
BARTELT



KLÖCKNER
HOOPER



WORLD WIDE SUPPORT

World Wide Sales Representation



Headquartered in Sarasota, Florida, Klöckner-Bartelt and Klöckner-Hooper provide worldwide customer service and support with representatives in over thirty-five international locations. These representatives and a network of trained service specialists underline our commitment to put your equipment in operation and to keep it running smoothly.

To assure optimum machine performance and consistent quality, we manufacture machine replacement parts and maintain inventories in key geographic locations. This system enables us to ship parts quickly, maximizing equipment uptime.



ENGINEERING



Extensive industry experience enables our Engineering Department to tailor packaging machinery and systems to your specific needs. Our strong commitment to research and development enables us to actively seek packaging challenges, and to offer advanced solutions to tough packaging problems.

Our modern computer aided design and manufacturing system—CAD/CAM—allows fast and accurate interface between design and manufacturing. To the customer, this means high quality and quick delivery while maintaining cost efficiency.

Innovative packaging ideas, cost-effective uses of materials and machines, and ingenious ways to add efficiency to handle products—these are some of the ways our Engineering Department contributes to your bottom line.







TECHNICAL SUPPORT

Electronic Laboratory

We maintain an in-house laboratory to design, program, test and inspect electronic systems. This facility allows us to quickly respond to customized electrical needs, and to hold a rigid quality standard for all electrical systems and components.

Demonstration/Training Room

Comfortable and fully equipped, our training room features permanently installed machinery for regularly scheduled customer training classes. Additionally, the equipment in this room is available for test runs and demonstrations upon customer request.

Sample Room

The sample room facilities enables our machinery designs to simulate the characteristics of customer package ideas. Here we can provide pouches, cartons and shrink banded containers and thermoformed samples to confirm the package size and design for a specific product.

Fill Test Laboratory

Product flow characteristics are tested in our fill test laboratory. This facility is completely equipped to simulate actual fill conditions and determine the optimum filling systems speeds and fill accuracy for each customer application.



MANUFACTURING

Our modern 100,000 sq. ft. climate controlled facility enables us to work with a wide range of machines and systems.

Trained machinists operate more than two dozen major machine tools, most of which feature NC or CNC control systems or electronic positioning for greater accuracy. Experienced assembly teams are trained in quality assembly techniques. At key steps in the manufacturing process, from design to delivery, a series of checks ensures a dependable end product.





ETERNA & IM POUCH PACKAGERS

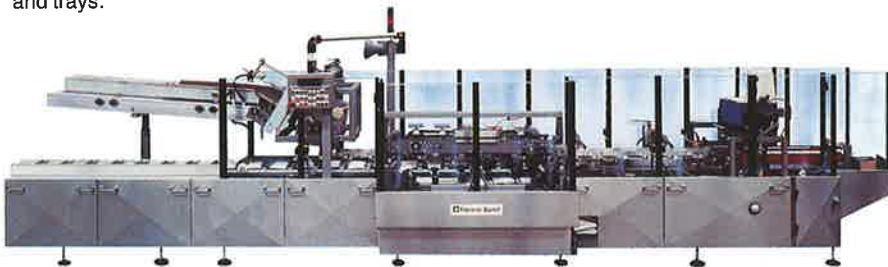
BARTELT™ IM horizontal form/fill/seal packagers are known throughout industry as the most versatile pouch packaging machines available today. The IM packager is extremely reliable and efficient, accommodating various pouch sizes and configurations at speeds up to 100 pouches per minute. The ETERNA operates at speeds up to 200 pouches/minute or 360/min. tandem utilizing a unique high speed pouch transfer system, and can be equipped with multiple fillers for dispensing several ingredients. Products handled include: powders, granules, liquids, creams, pastes, tablets and small hard goods.



CARTONERS

Klöckner-Bartelt has supplied many hundreds of intermittent and continuous motion cartoners worldwide, operating independently or as part of a complete packaging system. The new BARTELT CMC is a full-featured continuous motion cartoner providing maximum size and product flexibility, and offering rapid and repeatable changeover and high speed production capability.

Designed to reduce labor and improve productivity, BARTELT cartoners will integrate easily with most packagers. A variety of in-feed configurations are available for cartoning pouches, bags, bottles, tubes and trays.



N-2500 THERMOFORMER

The Klöckner-Hooper N-2500 thermoform packaging machine offers high performance high speed packaging of medical devices, food, and non-food products. Designed with modular construction and an exclusive variable web width feature, the N-2500 offers maximum flexibility for easy product changeover. Equipped for either manual or automatic fill, the N-2500 is the most versatile machine available today.



FILLERS

Klöckner-Bartelt offers a wide range of volumetric product fillers to meet a variety of fill needs. These fillers can be mounted on BARTELT IM packagers or adapted for other applications and are designed for accurate dispensing of powders, granules, liquids and pastes.

At the top of the BARTELT line of fillers is the ES auger filler. Utilizing direct drive, brushless servo motor technology, the ES achieves fill weight accuracy up to 1/4 of 1% for powders and granules. Klöckner-Bartelt maintains a test fill lab where products are evaluated for specifying the proper filler and determining repeatable accuracy in dispensing product.

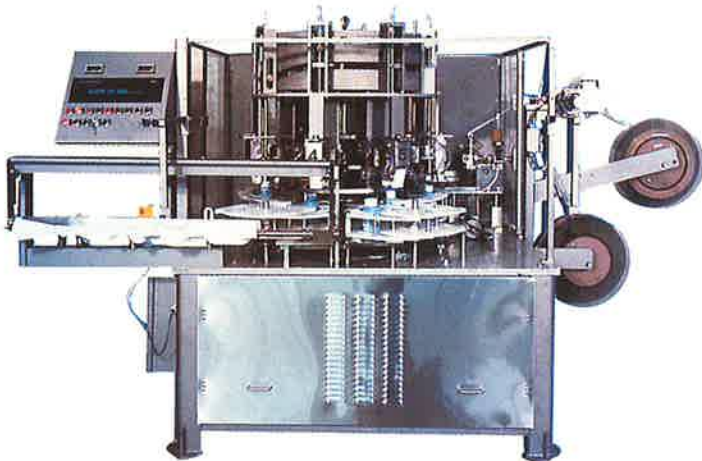


MACHINERY

Klöckner-Bartelt produces a wide variety of standard and custom packaging machinery, including horizontal form/fill/seal packagers, volumetric fillers, IM and CM cartoners, display packers and shrink band/label applicators. Klöckner-Hooper is a primary source of thermoform packaging machinery. Designed for efficient production, high speeds, quick changeover and options for manual or automatic filling, Hooper thermoformers provide optimum packaging performance and total product integrity. All of our equipment is engineered and built for ease of operation and durability, providing years of production with a minimum of service.

SHRINK BAND/LABEL APPLICATORS

Shrink band equipment for tamper evident packaging applications is available in both continuous and intermittent motion designs. Klöckner-Bartelt machinery is designed to easily fit existing lines, providing high speed operation and offering a unique straight line band placement feature to assure accurate band placement and economical use of materials.



ALPHA PACKAGER

The BARTELT™ ALPHA is an innovative new packager designed to meet today's fast-changing demands for flexibility in pouch sizes and products. Featuring rapid size changeover, both height and width in less than 30 minutes, the ALPHA has a broad pouch size range and room for multiple fillers. Supporting the pouch from both sides with double bag clamps, each package is controlled during the filling and closing operations.



K-50 THERMOFORMER

Klöckner's K-50 is an easily adjustable horizontal form/fill/seal machine for clinical studies, stability work, and small blister production runs, capable of thermoforming a variety of materials. Designed for easy and inexpensive tool changes, adjustable stroke, and printed or un-printed lid stock, the K-50 offers numerous options not available on other comparably sized thermoformers.



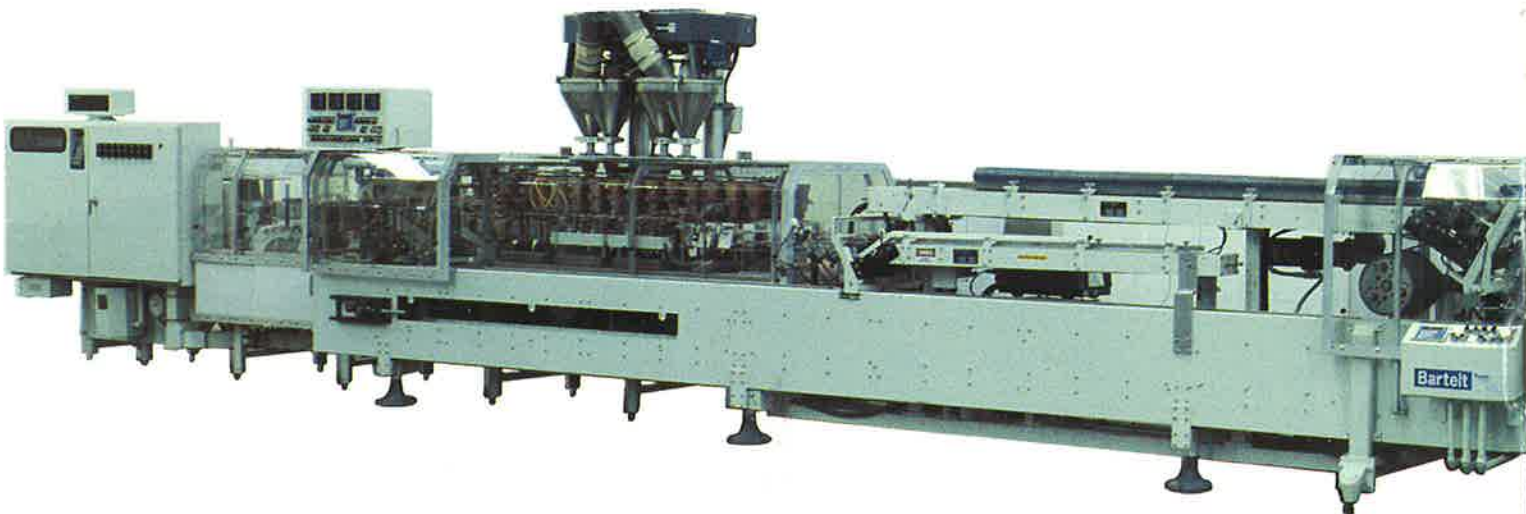
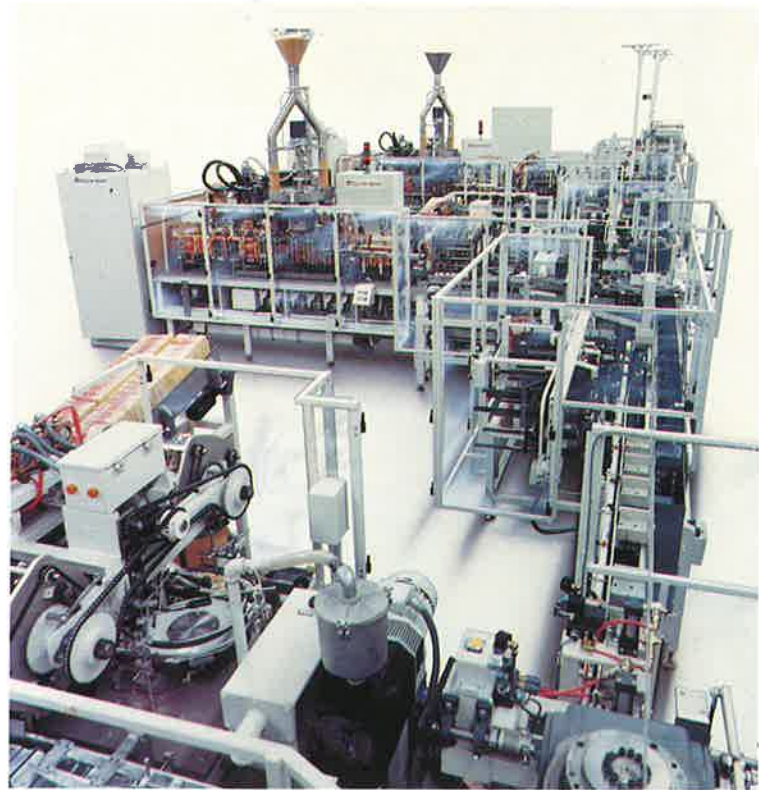
SYSTEMS APPLICATIONS

Our extensive engineering resources allow us to blend standard product lines with our special machine development experience to produce complete, unique packaging systems.

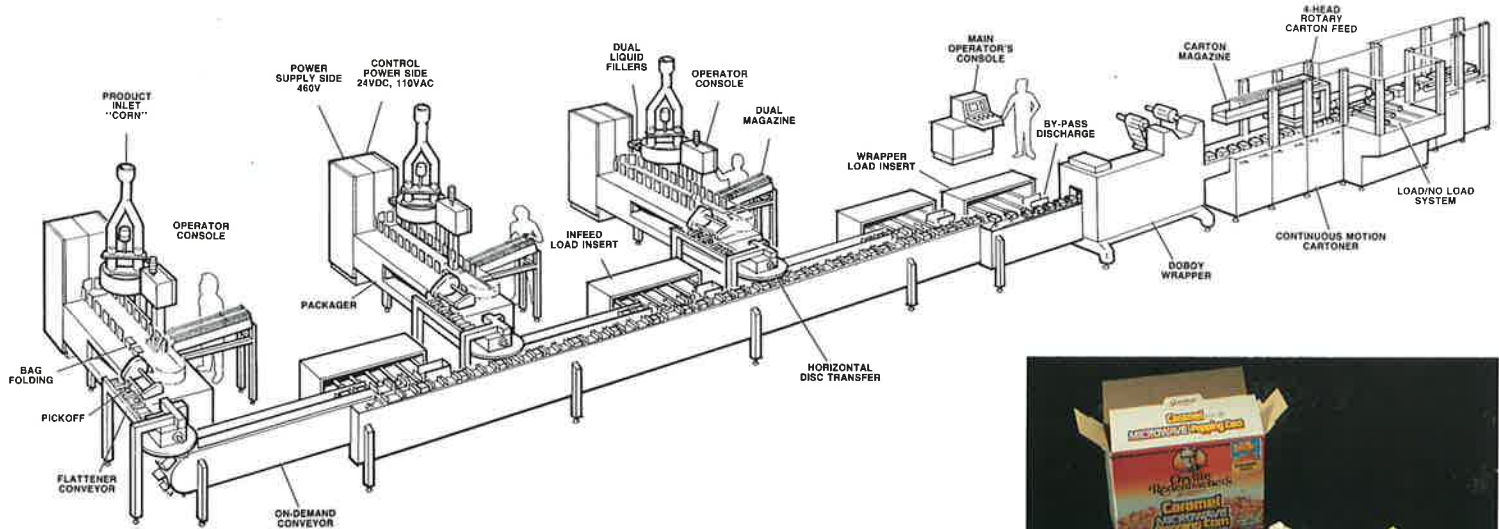
This depth of experience allows us to take responsibility for your product from measuring and filling into counting, collating and orienting and on to final package form, including pouchmaking and thermoforming, adding bands and labels, checkweighing, cartoning and conveying.

Our product handling capabilities cover a wide range of applications and speeds up to 1000 containers per minute on fully automated equipment.

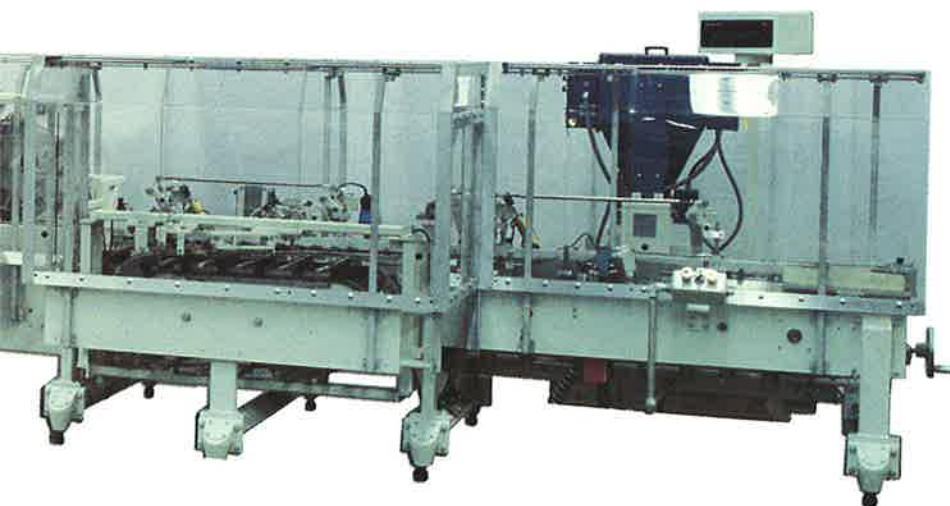
Specialized systems backed by years of experience assure delivery of the finest equipment, properly designed and integrated, to consistently produce the quality packages your customers demand.



**KLÖCKNER-BARTELT
MICROWAVE POPCORN PACKAGING SYSTEM**



Orville Redenbacher's™ Microwave Popcorn is produced on BARTELT integrated packaging systems. As part of the 4,200 packaging machines and systems shipped by us, these lines incorporate the latest in packaging technology.



Constant motion packagers and cartoners are specially designed for high speed production of General Foods' JELL-O™ brand dessert products.

SPECIAL APPLICATIONS



When your packaging requirements are especially unusual or difficult, we can help.

Our combined skills in package and machine design, manufacturing and installation can create practical, innovative solutions to your packaging needs.

We have solved unique problems in a variety of industries. For example:

Food

A major food producer wanted several ingredients in the same package, but separated until time of use. The solution – an innovative “multi-compartment pouch” form/fill/seal machine which measures exact amounts of product into the pouch, each product separated by seals and membranes.

Photographic

A manufacturer of instant film required an outer package which provided hermetic protection against moisture and light, yet which could be efficiently produced under normal production conditions. We developed and manufactured a cartoning system which protected the film package on all sides with a laminated

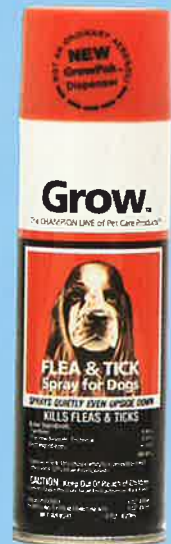
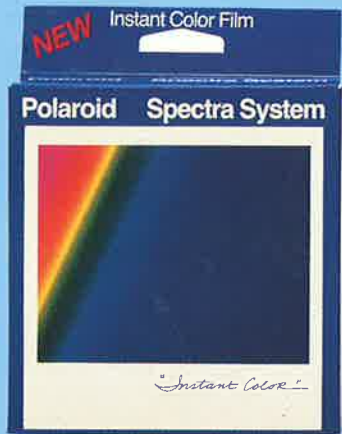
foil carton and then heat sealed the foil barrier on both carton ends to fully protect the sensitive film packs.

Medical

A manufacturer of veterinary products asked us to develop a package for conveying a medicinal powder and water for later mixing in the pouch. Since the activated solution has only a limited life, the water and medicinal powder must be kept separated until administration. We designed a special machine to produce the pouch, fill the bottom with water and seal across the center prior to filling the active ingredient. Just before administering the product to the animal, the water and active ingredient are mixed by applying pressure to the pouch and “popping” the frangible center seal.

Klößner-Bartelt and Klößner-Hooper excel in designing these unique package styles and building the customized equipment to meet the special demands of your market.







COMMITMENT TO QUALITY

Our company has embarked on a comprehensive quality awareness program to further enhance customer satisfaction. Within each department, scheduling and quality tracking charts are openly displayed as incentives to “do the job right the first time.”

We constantly monitor our goals, methods, and results, and that means you as the customer benefit from our efficiency and cost effectiveness.

Mission Statement

Our business objectives are to meet our customers' needs through excellent people, innovation and quality products and services.



CENTRAL LOCATION

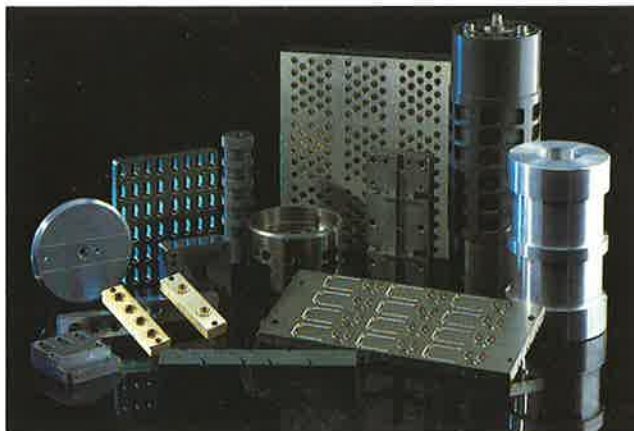
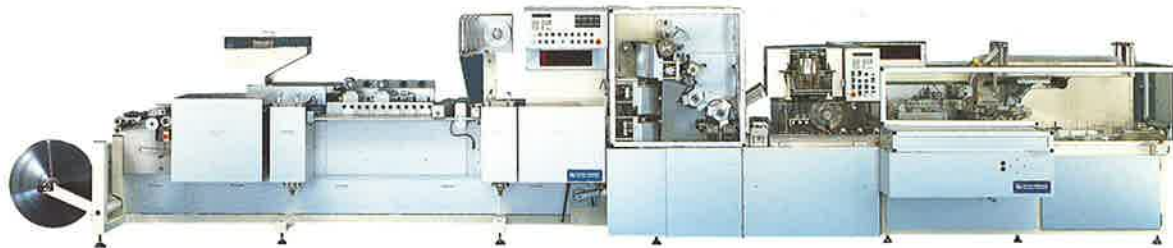


Located in Sarasota, Florida, Klöckner-Bartelt and Klöckner-Hooper are accessible via major sea, land and air transportation routes. An excellent network of interstate highways links Sarasota to major cities and rail stations throughout the United States. Nearby Tampa, Florida offers a deep water port, and Sarasota has an international airport with both passenger and freight service available.





WORLD LEADERS IN PACKAGING MACHINERY



Klöckner-Bartelt and Klöckner-Hooper are wholly-owned subsidiaries of Klöckner Packaging Group, with corporate headquarters in Gordonsville, Virginia. As part of the Klöckner family, our machinery has added to the worldwide capabilities of this multinational company while enhancing our resource base to better serve our customers. With an interlocking network of facilities and capabilities to meet your total packaging requirements, Klöckner companies are the innovators and leaders in the industries they serve. Klöckner's corporate capabilities include:

Klöckner-Pentaplast

Rigid film and sheet available in a variety of thicknesses, widths and colors. End uses include general purpose thermoforming, food, pharmaceutical and medical device packaging, printing and graphic arts, and many other industrial uses.

Klöckner-Borsch

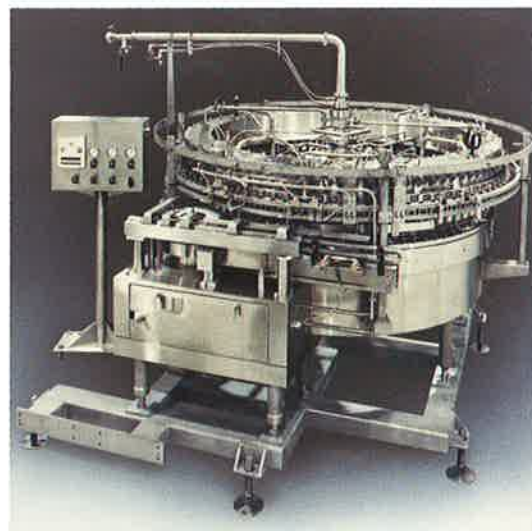
High performance tools, dies and feeders for thermoform packaging, custom designed for virtually any thermoformer and precision built for any application.

Otto Hänsel/Klöckner-Wolkogon

Leading manufacturer of processing and packaging equipment for the confectionery industry and suppliers of horizontal wrappers, blister packagers, sachet strip packers and cartoners for foods and pharmaceuticals.

Holstein and Kappert

Complete line of equipment for the brewing and beverage industry, including bottle and can depalletizers, rinsers, pasteurizers, high speed fillers, conveying systems and specialized processing equipment.



The products pictured in this brochure are packaged on Klöckner-Bartelt and Klöckner-Hooper equipment. The appearance of any product is not represented to be an endorsement of our equipment by the producers of that product.



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5501 N. Washington Blvd. • Sarasota, Florida 34243, USA.
(813) 359-4000 • FAX (813) 359-4043