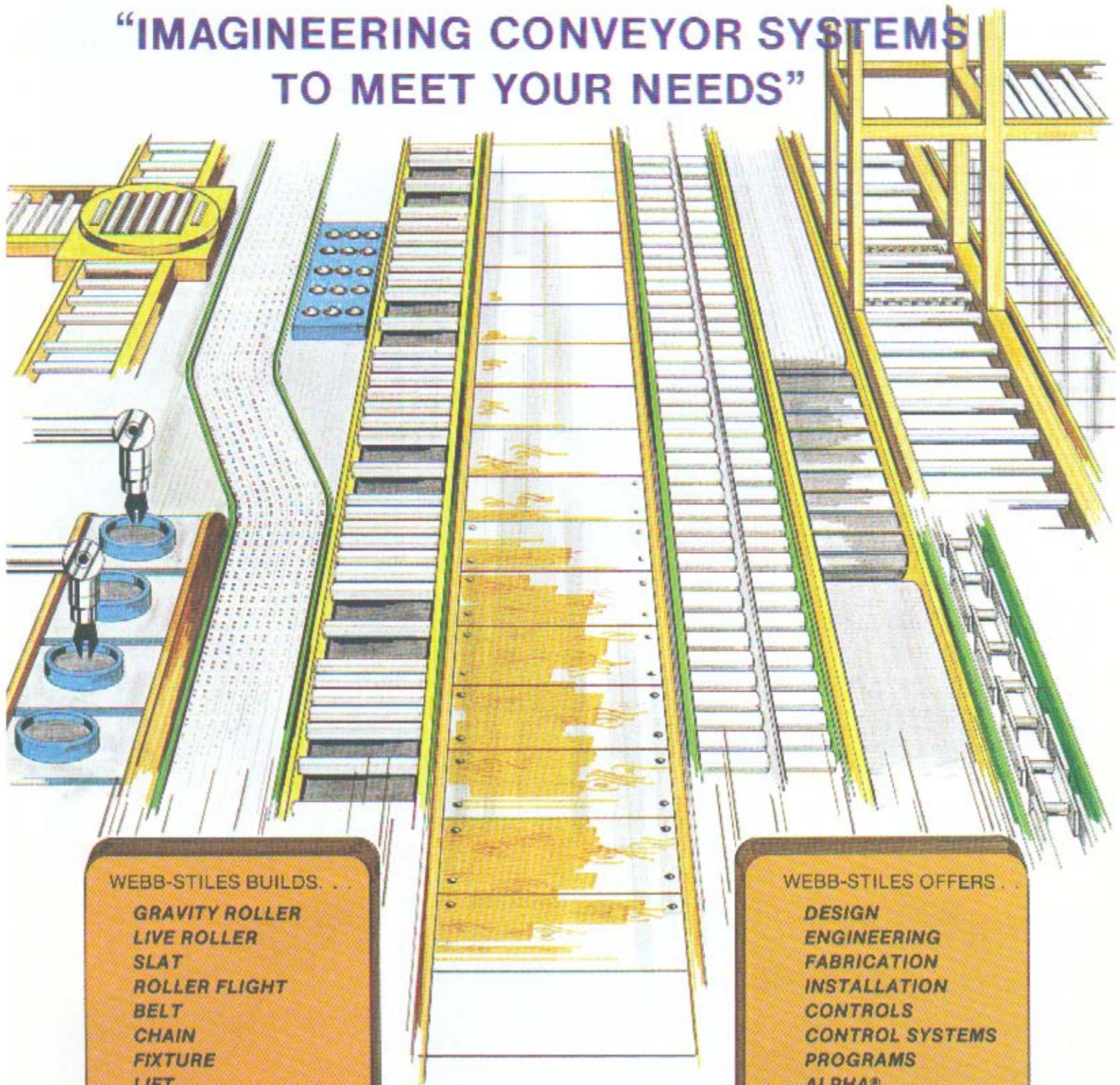




WEBB-STILES

**“IMAGINEERING CONVEYOR SYSTEMS
TO MEET YOUR NEEDS”**



WEBB-STILES BUILDS . . .
GRAVITY ROLLER
LIVE ROLLER
SLAT
ROLLER FLIGHT
BELT
CHAIN
FIXTURE
LIFT
WIRE MESH
CUSTOM
CONVEYORS & SYSTEMS

WEBB-STILES OFFERS . . .
DESIGN
ENGINEERING
FABRICATION
INSTALLATION
CONTROLS
CONTROL SYSTEMS
PROGRAMS
ALPHA®
AUTOMATION
ACCUMULATION
FOR CONVEYORS



Webb-Stiles Pre-Engineered and Engineered Floor and Specialty Conveyors of Unequaled Design and Quality

The Webb-Stiles Company was founded in 1956 and specializes in custom designed material handling equipment and systems. The company has grown and expanded over the past 40 years culminating with our main plant and corporate headquarters in Valley City, Ohio (just south of Cleveland) and our Southern division in Gadsden, Alabama.

We maintain engineering staffs at both locations with many years of conveyor experience in the mechanical, structural and electrical disciplines. The two plants consist of over 300,000 square feet of engineering, manufacturing and warehouse space enabling Webb-Stiles to handle all its design and fabrication work in-house.

The volume and diversity of conveyors manufactured by Webb-Stiles continues to expand. It now includes many stocked items, as well as a wide variety of specialty units, available in a minimum amount of time.

This brochure shows the diversity in various types of floor conveyors manufactured by Webb-Stiles. Webb-Stiles also manufactures all types of overhead trolley and Power & Free conveyor systems. For more information or assistance please feel free to contact any of our sales engineers. We maintain sales engineers in our Valley City and Gadsden facilities with sales offices in Nashville and Atlanta.



Webb-Stiles Company, main plant and corporate offices in Valley City, Ohio.



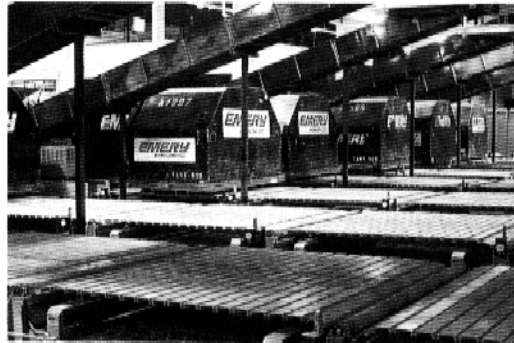
Webb-Stiles of Alabama, southern division in Gadsden, Alabama.

SLAT CONVEYORS

Slat conveyors are used extensively in manufacturing, assembly, and packaging. These conveyors form a flat level surface and can convey a wide range of materials in all different sizes, shapes and weights. Slats used in these conveyors can be made from formed steel, structural steel channel, wood, or plastic and can be specially coated or covered with a wide variety of special surfaces.

Fixtures can be designed to hold material or position product for machining or assembly.

Webb-Stiles can engineer slat conveyors to run at constant or variable speeds, index or continuous running. We have a wide variety available with short lead times.



Webb-Stiles heavy-duty slat conveyors move air freight cargo containers (huts) at a large air freight superhub in Dayton. Each conveyor is capable of handling up to 10,000 lbs. of freight.

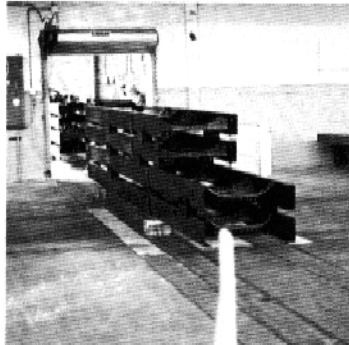


Steel slat conveyors being used in a major appliance manufacturing plant. The ball top table transfers built along the line allows transfer of appliances to inspection loops.

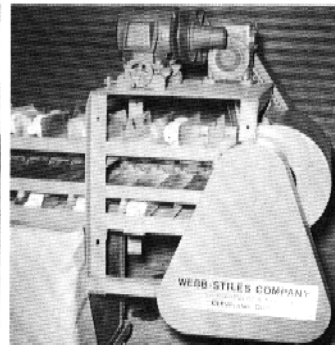
WORK POSITIONING CONVEYORS

Designed to meet today's increase in robots, automated work cells and automatic machining centers. These custom designed conveyors can utilize stops, hold downs, positioners, rotators, turn-over and transfer devices to complement an unlimited assortment of automated manufacturing equipment.

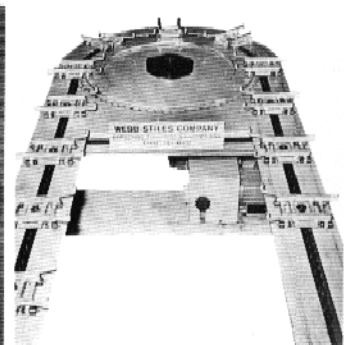
Sophisticated Webb-Stiles conveyors have become more than just transportation devices, they have become an integral part of the manufacturing and processing systems.



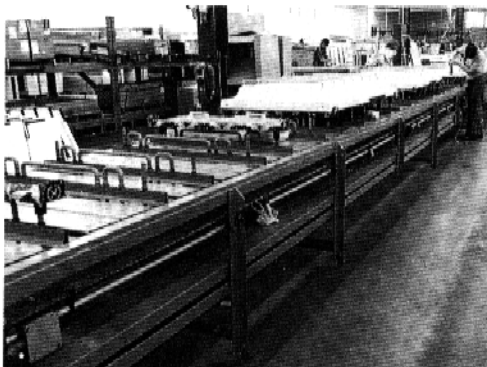
This slat conveyor is flush with the floor and transfers truck frames from manufacturing to assembly. Being flush with the floor allows traffic to cross requiring no detours.



Plastic bottles are conveyed in this light-weight slat type fixture conveyor. The bottles travel on the top and also on the bottom return of the conveyor.



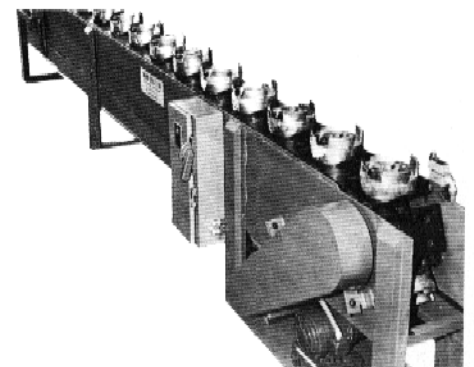
This fixture type "carousel" conveys automobile transmission parts through machining operations.



This slat conveyor has fixtures installed for the assembly of refrigerator doors. Service lines for air and electric are incorporated into the conveyor for the use of powered tools and test equipment used during assembly.



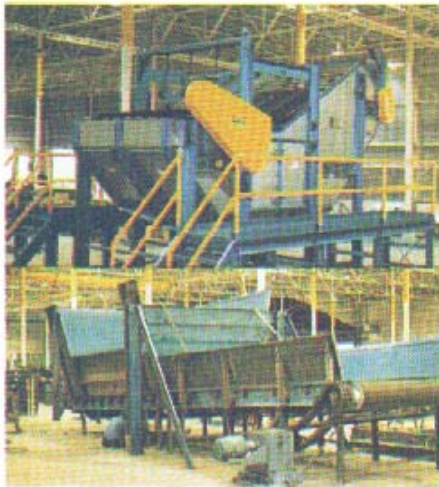
A narrow flat-top hinged slat conveyor for handling gears and trunnions. The slats are made of plastic and are chain driven.



Work positioning fixture conveyors are used extensively in production machining. This unit automatically indexes parts to allow automatic drilling and tapping operations.



Webb-Stiles' expertise is in custom designed specialty conveyors, systems and devices. . .



The unit on the top is a raw rubber tread line soaper. The bottom photo shows a raw rubber conveyor under construction. Webb-Stiles knows the tire and rubber industry and has built many special systems like these.



1 of 5 lifts built to overhead conveyors. This system was built for handling air freight in Saudi Arabia. The unit just to the right powers the overhead belt conveyor. This was set-up in our plant for test operating.

CUSTOM DESIGNS

Webb-Stiles specializes in the design, manufacture and installation of high quality heavy-duty systems requiring extensive application engineering know how and rugged, quality built products. Custom designed conveyors, material handling systems and devices are engineered to meet our customers' needs in a wide range of industries. Some of those solutions to material handling problems are shown.



This conveyor transports engine blocks from the machining and inspection operation and lifts them over 14' to an overhead accumulation conveyor approximately 100' in length which crosses an aisle. The blocks are then lowered on demand from a second vertical conveyor to the floor, rotated 90 degrees and discharged to a wash unit.



These conveyors are built to handle green tires. They allow the automatic accumulating of the green tires in production with minimum tire deformation.



The Transpor-Con transporter truck is equipped with a powered roller conveyor deck that is raised or lowered for alignment with dockside conveyors. The rollers and lift are hydraulically powered by an on-board PTO.



This device automatically stacks metal gear rings within a conveyor system. We can be of service if your needs are for small, sophisticated conveyors and devices or large, heavy-duty, high-capacity units.



Automotive cylinder blocks are turned over, accumulated and metered out on demand. Webb-Stiles has extensive automotive experience building many custom conveyors and devices.



Cart-Trac is a new low cost flexible floor system for use in assembly work, etc. Fixture carts are towed around a track that can exceed 450' in length. Variable speed, start/stop, accumulation and longer lengths can all be added for further flexibility.



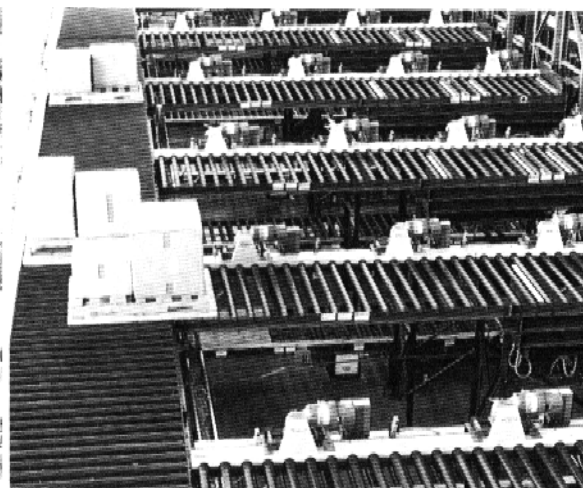
Belt conveyors are used extensively in the package handling industry. The conveyors are variable speed in either direction. Webb-Stiles expertise, with thousands of feet of package conveyor built and installed, makes it a leader in the industry.



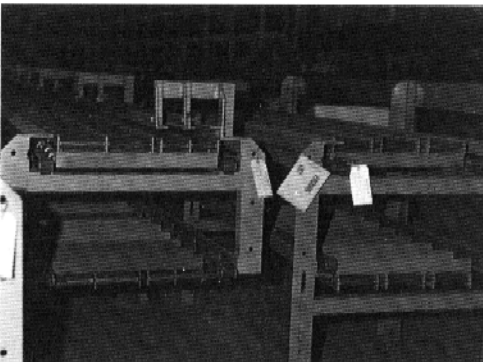
This device was built for the rubber industry for trimming tire vent flashing. Tires are introduced at the top of the unit where they are uprighted and dispatched down one of two lines. The tire is then rotated and the flashing trimmed off. Webb-Stiles has wide conveyor experience in the rubber industry.



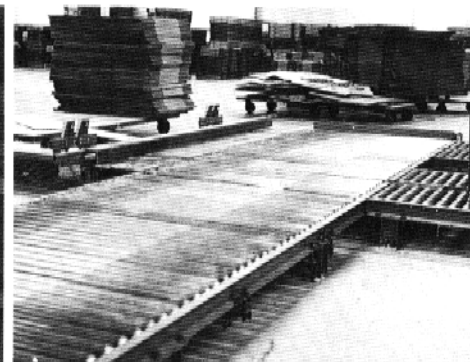
Spiral gravity storage units installed in the auto industry. These high capacity storage units automatically feed parts baskets to assembly lines. A reciprocating vertical lift loads the storage towers. These units can be ceiling supported to minimize floor space usage.



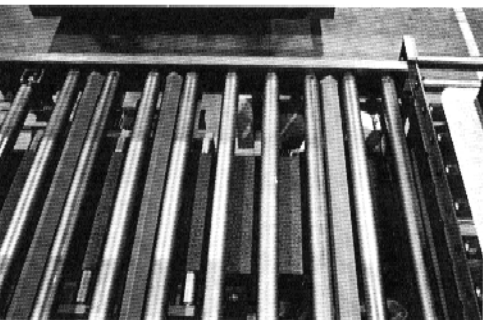
This large bi-level conveyor system features heavy-duty chain driven live rollers manufactured and installed for the Naval Integrated Storage Tracking and Retrieval System. This installation is highly computerized for automatic storage and retrieval. This view shows the staging area for incoming loads.



A 4 line "Roller Flight Slat" conveyor. Because of the close spacing required the rolls are mounted in separate frames on a 6" pitch slat conveyor obtaining a heavy-duty conveyor with the low pressure accumulation necessary from operation to operation.



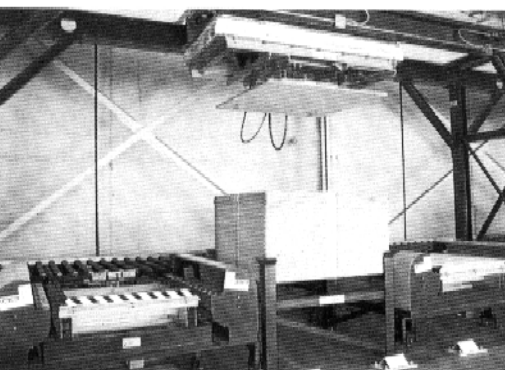
This belt driven conveyor system is in the corrugated container industry. The wide rollers easily handle the large flat knocked down cartons. Automatic carton stackers and squaring station, prior to banding, are Webb-Stiles devices used within the system.



This detail of a belt driven roller conveyor shows Webb-Stiles ALPHA® Air Logic Pallet Handling Accumulating conveyor system. These air actuated control circuit systems are capable of zoned accumulation with virtually any size and weight load with "zero" back pressure, equipped with braking and positioning for total system control and utilization.



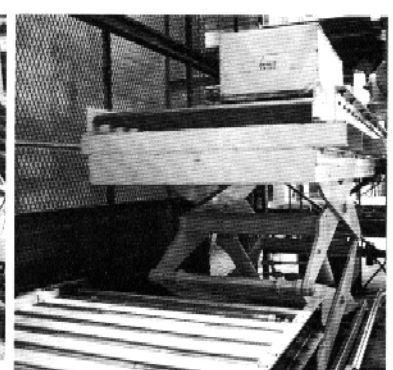
We offer the most automated production facility for the fabrication and assembly of roller conveyors. Eight standard roller sizes are readily available with capacities to 1370 lbs. A complete range of pre-engineered gravity curves, gates, spurs, transfers, converging sections, guards and stops are available. A complete gravity roller design guide is available on request.



The device here places captive house pallets onto a loading station. It feeds two stations that also incorporate squaring units. This unit is pneumatically controlled with an air motor and vacuum head. Multi-directional movement and hi-speed cycling keeps pace with a number of fork trucks.



Turntables can be electrically or pneumatically powered to accurately rotate 360 degrees. They can be combined with chain transfers or elevating devices for versatility.



Vertical conveyors for raising or lowering materials. This is a 12' scissor lift. Many different types are available. Live roller beds, chain transfers and turntables can be incorporated.

ROLLER CONVEYORS

We manufacture a complete line of pre-engineered and custom designed roller conveyor assemblies, components and accessories.

GRAVITY

Webb-Stiles gravity roller conveyors are the basis of most package handling systems because of simplicity, economy and negligible maintenance. Webb-Stiles gravity roller conveyor components are pre-engineered and available from stock eliminating costs of custom engineering and long delivery delays. We also offer our custom engineering, allowing you limitless options as to roll and frame size.

BELT DRIVEN LIVE ROLLER (BDLR)

Belt Driven Live Roller conveyors offer economical solutions for many powered material handling systems. From straight forward pre-engineered BDLR conveyors to highly sophisticated material handling systems like AS/RS (Automatic Storage/Retrieval Systems).

CHAIN DRIVEN LIVE ROLLER (CDLR)

CDLR conveyors offer the ultimate in trouble-free conveyor service for heavy-duty or continuous operation. Our CDLR conveyors are available in single strand continuous chain and roller to roller, where each roller is positively linked by two separate lengths of chain to each adjacent roller.

ROLLER FLIGHT

Roller flight conveyors allow for low pressure accumulation to be simply made anywhere on the conveyor by simple stop devices. Used in manufacturing, packaging and assembly. Webb-Stiles offers many types of pre-engineered and custom designed roller flight conveyors.

AUXILIARY EQUIPMENT

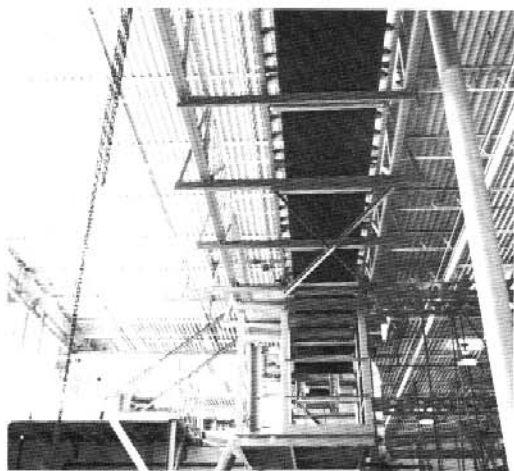
A complete line-up of standard and custom engineered equipment is offered to permit an infinite variety of systems and configurations. These include curves, turntables, transfer devices, bolsters, vertical conveyors, pallet dispensers, squaring stations, accumulating modes, converging sections and much more.

Webb-Stiles manufacturing and fabrication standards make the critical difference in roller conveyors.

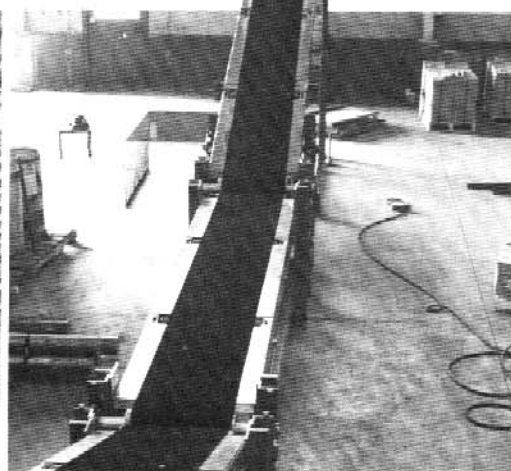
A Webb-Stiles engineered and built machine automatically cuts, reams and end finishes rollers. Rollers feature hexagon shafts, spring loaded for easy installation and removal. All different types of bearings are available and specifically engineered for conveyor service.

Side frame members are punched in matched pairs and jigs and fixtures employed in final assembly. This assures you of perfect roller alignment reducing bearing wear and maintaining roller parallelism.

Autofusion is a technique we developed for sprocket to roller welding. Sprockets are aligned in a fixture and automatically welded for maximum weld penetration and shear strength with maximum sprocket alignment.



Above the floor roller bed belt conveyor showing the power drive beneath the conveyor. A catwalk with rails and guards was designed into the conveyor and installed as a unit eliminating field installation time. A Webb-Stiles vertical conveyor that feeds the conveyor can be seen immediately behind the power unit.



Inclines on both sides of this conveyor transport material to different levels. Belt conveyors are used extensively to move material and packages to and from different levels.

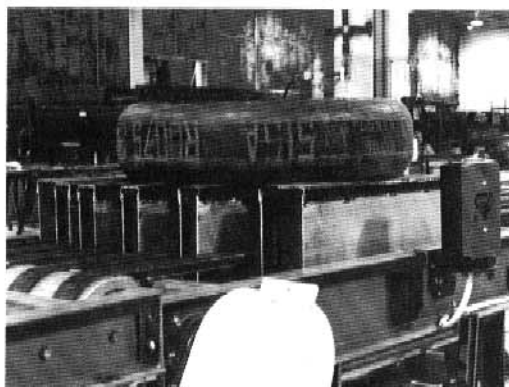
BELT CONVEYORS

Over 30 years of conveyor experience assures you of a high quality pre-engineered or custom engineered belt conveyor.

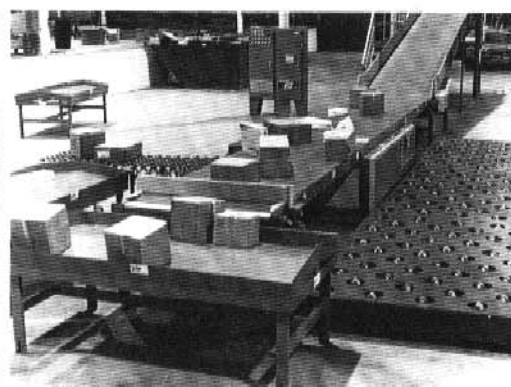
Belt conveyors fulfill diverse applications in material handling and manufacturing. Slider bed, roller bed or combinations are available to meet most material and load handling requirements. A limitless variety of belt materials and surfaces like PVC, wire mesh, cleated and fabric are available to meet specific job functions.

Webb-Stiles is a specialist in the package handling field with many systems in use all over the country for the leading package delivery companies.

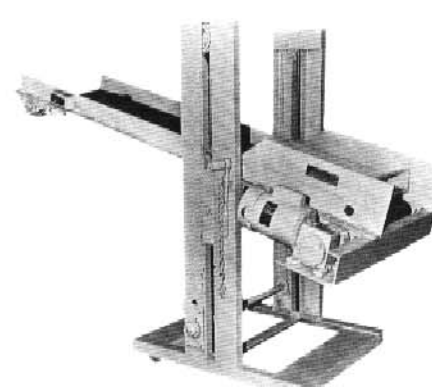
Inclined belt conveyors are used extensively to transfer material from one elevation to another. Standard incline belts are available along with many custom designed units able to meet your specific needs.



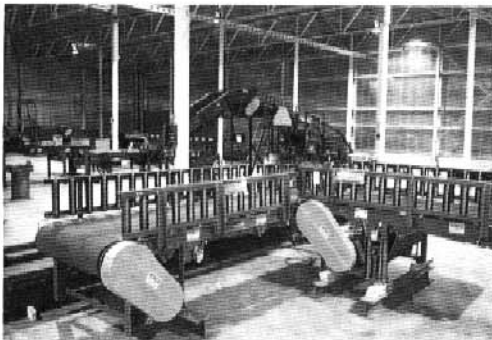
This conveyor uses strands of belting on a slider bed base. A built-in bolster lifts a tire so a device (not shown) can automatically scan and read the tire code.



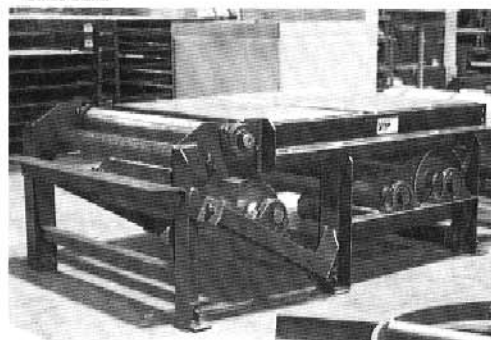
Part of an overnight package sortation system. Webb-Stiles has manufactured and installed numerous turn-key systems for leading overnight package handling companies. The sortation tables, caster decks (for air cargo containers) and control panels are all Webb-Stiles built.



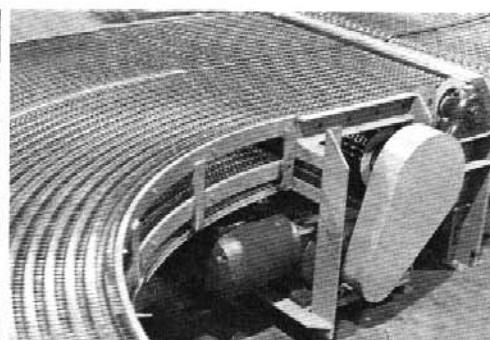
"Little Hustler" the belt conveyor that not only moves up and down in height, it also tilts. It's used to convey parts between presses.



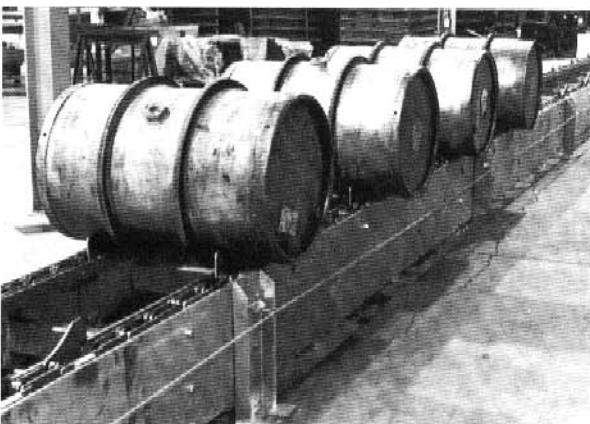
The conveyor shown here is part of a tire manufacturing system. This is part of a merging section for tires. Note the side rollers which aid in the transfer. In the back an inclined belt conveyor feeds into a Webb-Stiles built tire trimmer.



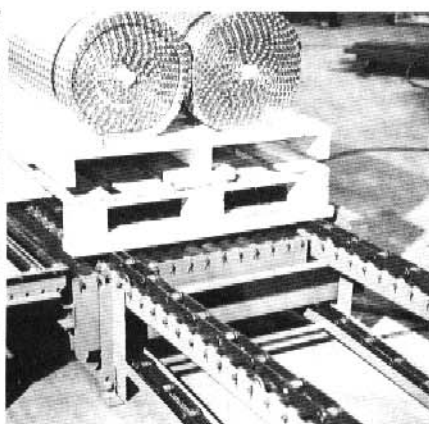
Power drive end of a belt conveyor showing our rugged construction and the drive rollers and take-ups. This unit is ready for shipment. The slider belt beds can be seen in the back.



This wire mesh conveyor easily goes around curves. It is used in a foundry to convey sand cones through a dry-off oven operation. Many different styles of mesh are available to meet job applications.



Heavy metal drums are easily handled and conveyed on this two strand chain conveyor. Webb-Stiles also manufactures the chain and fixtures for this style conveyor.



A pallet handling chain conveyor at a transfer station. Chain conveyors are capable of various types of loads. Here chain conveyors are used for pallet transferring to different conveyor lines. Note how rollers have been utilized for the chain bed.

CHAIN CONVEYORS

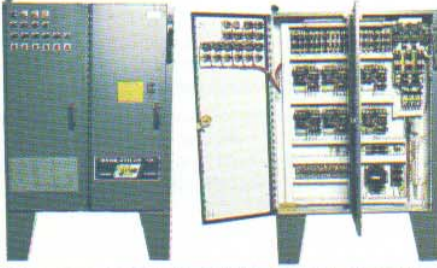
Multi-strand chain conveyors are used to convey a multitude of products from pallets to drums. Webb-Stiles stranded chain conveyors are capable of handling your smallest load under 10 lbs. to large sizes over 2000 lbs.

Webb-Stiles can attach special fixtures to the chain so they are capable of transporting odd shaped materials in a wide range of positions.

SYSTEM CONTROLS

Webb-Stiles designs and builds all types of controls including electronic, hydraulic, and pneumatic. Webb-Stiles control systems are designed for accuracy and reliability.

Technologies like hydraulic or pneumatic are appropriate choices for many systems, since they can operate in a wider range of environments than some other components.



Using microprocessor based components, our controls have the ability to interface with many computerized control systems. This makes it possible to accurately supply parts and materials to automated work stations and other state-of-the-art manufacturing and material handling operations. The output from counting and sensing devices can be utilized at many levels from first in/first out flow to advanced address designated routing.

Webb-Stiles electrical engineers are experienced in programming a wide range of microprocessor based controls.



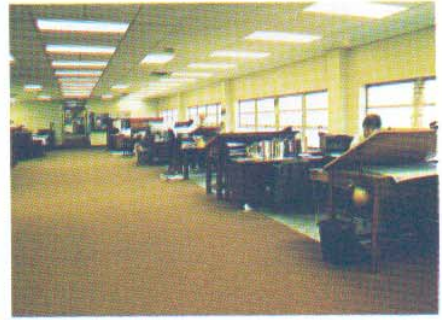
Only the highest quality control components and materials are used. Controls are thoroughly tested before leaving the plant. This extra attention to quality assures reduced debugging in the field and assures years of dependable trouble-free service.

DESIGN ENGINEERING

With total in-house engineering capabilities, Webb-Stiles offers absolute design control and central decision making. An important consideration to make when dealing with a system regardless of size.

Our highly experienced mechanical engineers assist you in determining your requirements based on system function and load size. If your problem is unique and we don't have design solutions on file, we have the ability to custom design your material handling system.

Webb-Stiles engineers also design control systems to accurately match your material handling needs through pneumatics, hydraulics or electronics.



FABRICATION

At Webb-Stiles our two completely equipped plants enable us to handle all our fabrication work in-house. Our highly skilled craftsmen, build your equipment using methods and techniques refined through years of practical experience. Webb-Stiles' engineers have developed special machines, equipment and procedures to guarantee you the highest quality possible. Only the finest quality parts and materials are used in Webb-Stiles equipment.

We pride ourselves in delivering a superior product that is defect free and will provide you with years of dependable, trouble free service.



INSTALLATION

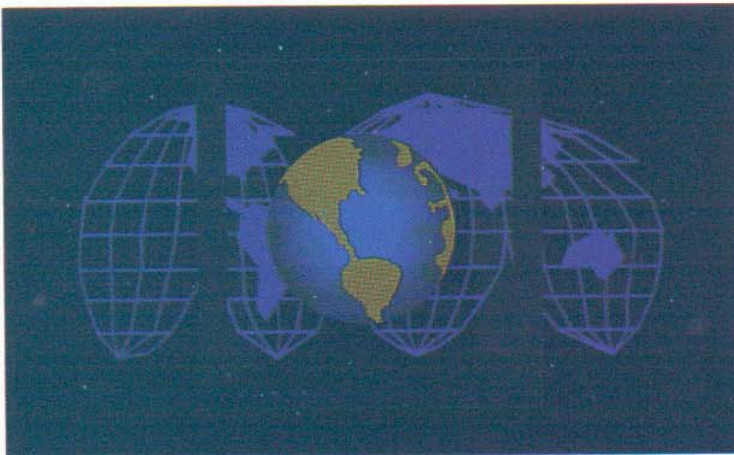
By shipping many components pre-assembled and pre-tested Webb-Stiles drastically reduces installation time. You receive on-site time savings, labor cost savings and a higher quality finished product.

Webb-Stiles field installations are handled by one of our senior superintendents. He is responsible for handling a crew of skilled craftsmen familiar with the various trades of the industry.

Our engineers travel to many installations to direct the commissioning of sophisticated equipment and systems. Webb-Stiles maintains a staff of senior project managers to oversee all major contracts.



Webb-Stiles, a whole world of conveyor equipment



Accumulating Conveyors
Apron Conveyors
Ball Tables
Belt Driven Live Roller
Belt Conveyors
Bolsters
Carriers
Carrousel
Cat Drives
Chain Conveyors
Chain Driven Live Roller
Chain Transfers
Cleated Belt
Converging Sections
Diverters
Downenders
Drag Chain Conveyors
Fixture Conveyors
Floor Conveyors
Gate Sections

Gravity Conveyors
Guided Pallet
Herringbone Roller
Hydraulic Conveyors
Inclined Reciprocating
Live Roller
Live Storage
Merge Sections
Overhead Trolley
Pallet Collectors
Pallet Conveyors
Pallet Dispensers
Pickup & Delivery Sta.
Platform Conveyors
Portable Conveyors
Power & Free
Power Curves
Pusher Bar
Pusher Chain
Reciprocating Beam

Retarding Conveyors
Roller Conveyors
Roller Flight
Roller Slat
Roller Chain
Shuttle Conveyors
Slat Conveyors
Sortation Conveyors
Spindle Conveyors
Tow Line Conveyors
Takeups
Transfer Cars
Turnover Devices
Troughed Roller
Turntables
Upenders
Vertical Continuous
Vertical Reciprocating
Walking Beam
Wire Mesh

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