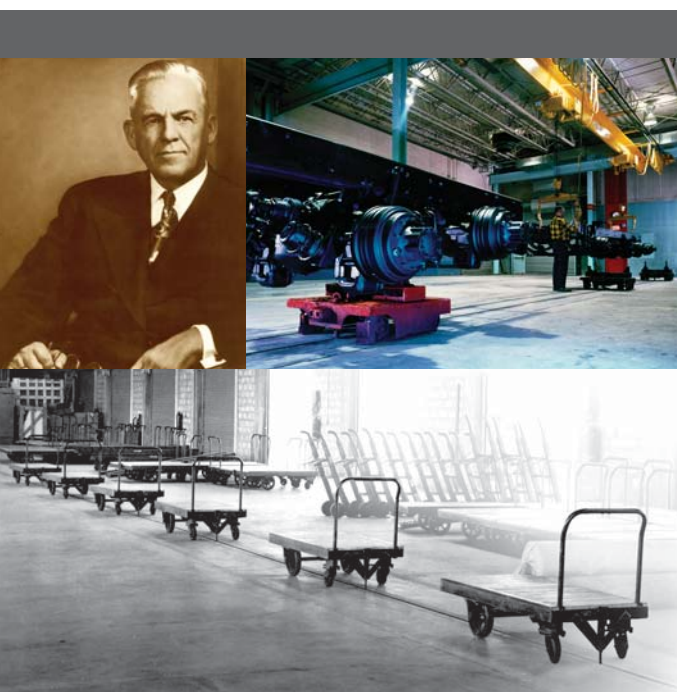


Towline Systems

Towveyor® Conveyors & Shallo-Tow™ Conveyors
Economical & Efficient Material Transport



A Tradition of Innovation



Since 1919, the Jervis B. Webb Company has been at the forefront of the material handling industry. Our founder Jervis B. Webb adapted a forged rivetless chain conveyor used in the mining industry to the rugged needs of the automotive industry, helping revolutionize mass production.

Today, our world-class material handling solutions allow customers all over the globe to increase productivity and reduce costs. As a subsidiary of Daifuku Company Ltd., we form one of the largest material handling companies in the world.

High Volume, Unattended Transport

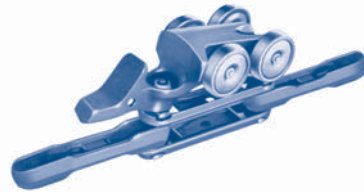
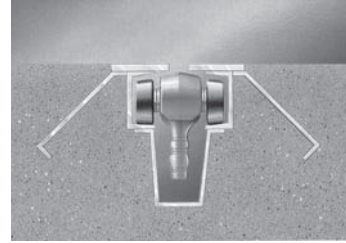
For decades, towline conveyor systems have played a significant role in the successful automation of warehouse and distribution facilities, plants, freight terminals and newspaper printing plants. Towline systems help reduce operating costs, enhance productivity, improve inventory control and increase workflow efficiency. For even greater versatility, towline systems may also be linked with host computers.

Webb Towveyor® and Shallo-Tow™ conveyors are simple, easy-to-maintain, non-synchronous towline systems that provide high-volume, unattended material transport via tow carts that move above in-floor tracks. Towcart load surfaces can be customized to hold roller beds, turntables, tilt tops and racks.

These proven towline systems offer accumulation, live storage and automatic dispatching to accommodate a wide range of production-oriented environments. Applications include sorting, transporting, order picking, automatic loading/unloading, storage and retrieval, as well as assembly operations – particularly in finishing environments.



Towveyor® Conveyors



Non-powered bump-off spurs divert carts a short distance into the spur. Succeeding carts advance them by low-impact bumping. Pushing bumpers are installed on carts to protect the tow pin. Lockouts are also included to prevent jams. Spring bumpers are recommended to reduce shock and noise.

Fully-powered spurs convey carts to the last empty position where they are disengaged from the chain by an air-operated “stop” device.

Individual carts can be stopped while the power chain continues to run. This allows carts ahead of the stoppage point to continue on their way.

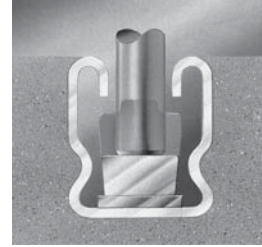
The high-carbon, heat-treated Microloy® 658 rivetless chain can be assembled by hand, without tools, and can accommodate practically any desired spacing of load-carrying carts. The telescoping feature of the chain eliminates the need for take-up, reducing pit requirements.

The Towveyor track is of welded construction with two three-inch channels and high carbon steel top bars. The track is specially designed for many years of reliable service. Standard pusher and idler trolleys operate in three-inch channels for most applications.

The pusher trolley frame and counterweight dog are made of malleable iron with a specially-hardened pushing surface for long wear life.



Shallo-Tow™ Conveyors



Shallo-Tow conveyors are light-duty, low-profile conveyors designed for use in facilities where track depth and quick installation are most important.

Shallo-Tow conveyors have a track depth of approximately three inches and function without trolleys. The chain assembly slides along lubricated wear bars within its low profile track.

The standard Shallo-Tow track is self-anchoring, eliminating the need for concrete anchors.

Shallo-Tow chain is made from heat-treated, forged steel. It consists of four basic parts: center, side, pusher links and a chain pin. The chain requires no special tools and can be assembled or disassembled by hand. Like the Towveyor chain, the telescoping feature of the Shallo-Tow chain eliminates the need for take-up, reducing pit requirements.

The Shallo-Tow track is formed of alloy steel and has replaceable wear bars. It is adaptable to most industrial applications, except those where grit and abrasive materials are encountered.



Towline Conveyor

Features

- **Roller Turns:** Roller turns are used for horizontal changes of direction. Our chain design allows for a smooth transition through turns without the need for special escort chains. Roller turns feature removable cover plates that allow easy clean out, maintenance and inspection. The wear surface of the top bar of the roller turn is made with specially treated high carbon steel.
- **Towline Drive:** Constant speed or variable speed caterpillar-type drives feature high carbon, heat-treated steel caterpillar dogs. The RC-160 roller chain is patented with an anti-back flex design.



With a Webb towline conveyor system, you can:

- **Reduce Operating Costs**
- **Enhance Productivity**
- **Improve Inventory Control**
- **Increase Work Flow Efficiency**

Benefits

- **Cleaner operation:** No unpleasant fumes, oil deposits, or batteries to recharge.
- **Reduced aisle congestion:** The tow carts move along set paths, reducing traffic congestion, confusion and product damage.
- **Increased productivity:** Tow carts pace material flow evenly and smoothly throughout the plant, reducing manual handling.
- **Heavy-duty load capacity:** Cart capacity ranges from 400 to 2,000 pounds, but heavier loads can be accommodated. Contact our sales engineers for design options.
- **Live storage:** Tow carts continually circulate to provide live storage during peak operation periods.
- **Economical installation/operation:** Towline conveyor systems require minimal construction time and they can be installed in either new or existing facilities. In addition, system maintenance does not require highly trained technicians. As a result, your own plant personnel can easily handle normal maintenance requirements.



Applications for towline conveyor systems include:

- **Sorting**
- **Transporting**
- **Order Picking**
- **Automatic Loading/Unloading**
- **Storage and Retrieval**
- **Assembly Operations**
- **Finishing**



**The Jervis B. Webb Company
can custom design, manufacture
and install complete Towline con-
veyor systems, including simple or
sophisticated controls, to suit your
production requirements.**

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