

# HENSHAW CUSTOM AUTOMATION

## For Handling Parts, Racks, Carts, Bins, and Totes

- Enhance line-side parts delivery
- Store and present parts efficiently
- Improve ergonomics

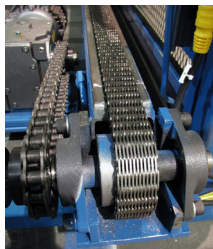
### Engineered to Your Specifications

Henshaw systems are designed to be efficient in function, durable in operation, and uncomplicated in design. Our in-house CAD team designs and develops each custom automation solution with all the key considerations: weight of the load, cycle time available, quantity of product to be stored, space available, and presentation of the product to a robot, human operator, or a lift assist device.

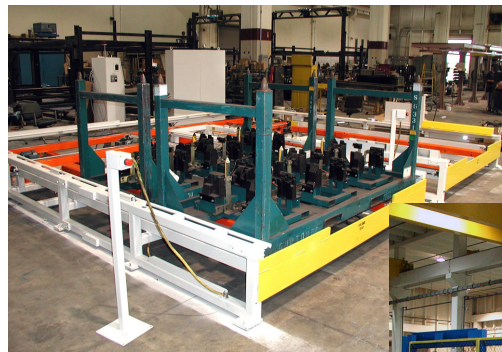
We provide a variety of products that range from simple gravity driven parts conveyors to automated rack indexers, handling loads in excess of 3,000 pounds. We offer carts that interface with automation or stand alone as an alternative where fork truck traffic is not permitted. When a storage and retrieval system is needed, we have the experience and manpower to design and build it from concept to installation.

### Henshaw “Multi Link™” Chain Conveyors *Move Loads That Rollers Can't Move*

Henshaw uses a proprietary “Multi Link™” Chain conveyor system to move racks, bins, and parts. This provides a traveling surface that moves with the product ensuring consistent travel that roller conveyors cannot offer. It also offers a faster cycle time than systems that use reciprocating carts since there is no time lost waiting for the cart to return. With 12 hardened alloy steel link plates in each pitch, our chain provides a generous load contact surface and will not wear grooves on the bottom of a rack. It slides on a hardened channel that is engineered to work with the chain to guarantee an exceptionally long life. “Multi Link™” chain provides a pull capacity that exceeds any chain of its size and its short pitch enables us to keep the overall height of the conveyor to a minimum.



### Rack Indexing Systems



The **Side-by-Side** configuration provides fast rack exchanges.

The **Over and Under** configuration uses minimal space and offers variable height presentations.



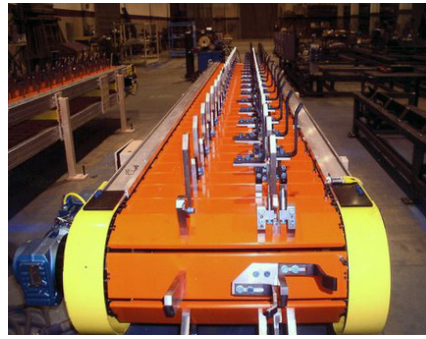
### “Lift and Carry” Accumulation

Henshaw rack indexers utilize an exclusive “lift and carry” approach that combines simple pneumatic lifters with our powered chain conveyors. Stationary racks are raised above the conveyor while another rack is traveling. This allows us to move one rack at a time on a conveyor while maintaining high throughput. One motor will power several stations to offer efficient power use and fewer mechanical components to service.



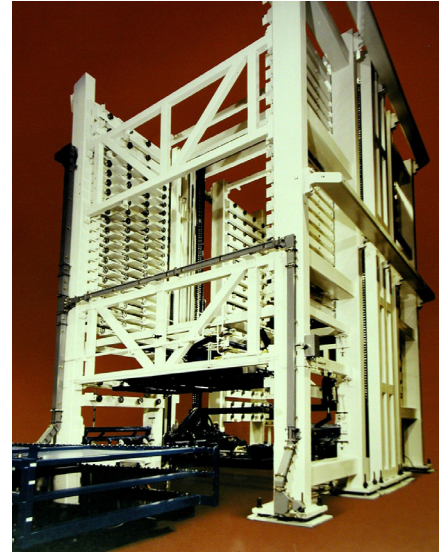
### **Automated Cart Systems**

Our carts can be pulled by a tow vehicle or pushed by hand.



### **Part Handling Systems**

Tailored to fit your part and production needs.

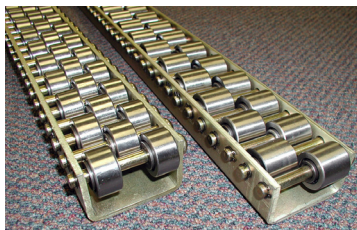


### **Automatic Storage and Retrieval Systems**

From small parts to stacks of sheet metal stock weighing over 8,000 pounds.

### **Roller Trac™**

*High Load Capacity at a Low Cost*



Henshaw's patented Roller Trac™ heavy-duty low profile roller wheel conveyor offers a superior free flow conveyance system. Its densely packed ball bearing rollers and heavy gage steel channel offers a 1,000 lbs. per inch load capacity – a capacity unique to the industry. These compact rails can be incorporated into a wide variety of applications to carry heavy parts, bins, racks, molds and dies. They are typically sold in four-foot lengths but may be ordered to suit your needs.

### **Built and Tested In-House**

Henshaw's spacious state-of-the-art facility allows us to fully assemble and test our systems on our own floor. This gives our customers the opportunity to see their equipment fully functional before we ship.

Our in-house build capabilities include fabrication, machining, painting, piping, and wiring. All Henshaw equipment is proven and demonstrated for the customer before delivery, allowing plant personnel to become familiar with their operation.

### **Installed and Maintained to Your Requirements**

Henshaw provides options for the installation of its equipment. Our expert team can implement the complete on-site installation – or we can be on-hand to supervise and support installation by your own team. To complete our total turnkey solution, Henshaw offers training programs to help you realize your return on investment as quickly as possible. On-site support services and a large parts inventory are available to keep your system up and operating.

### **What Are Your Automation Needs?**

We invite your inquiries and appreciate any opportunity to discuss your automation requirements. **Reach us by phone at 586-752-0700.**

To learn more about Henshaw's complete portfolio of advanced manufacturing and material handling solutions, visit our Web site at [www.henshawusa.com](http://www.henshawusa.com).

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