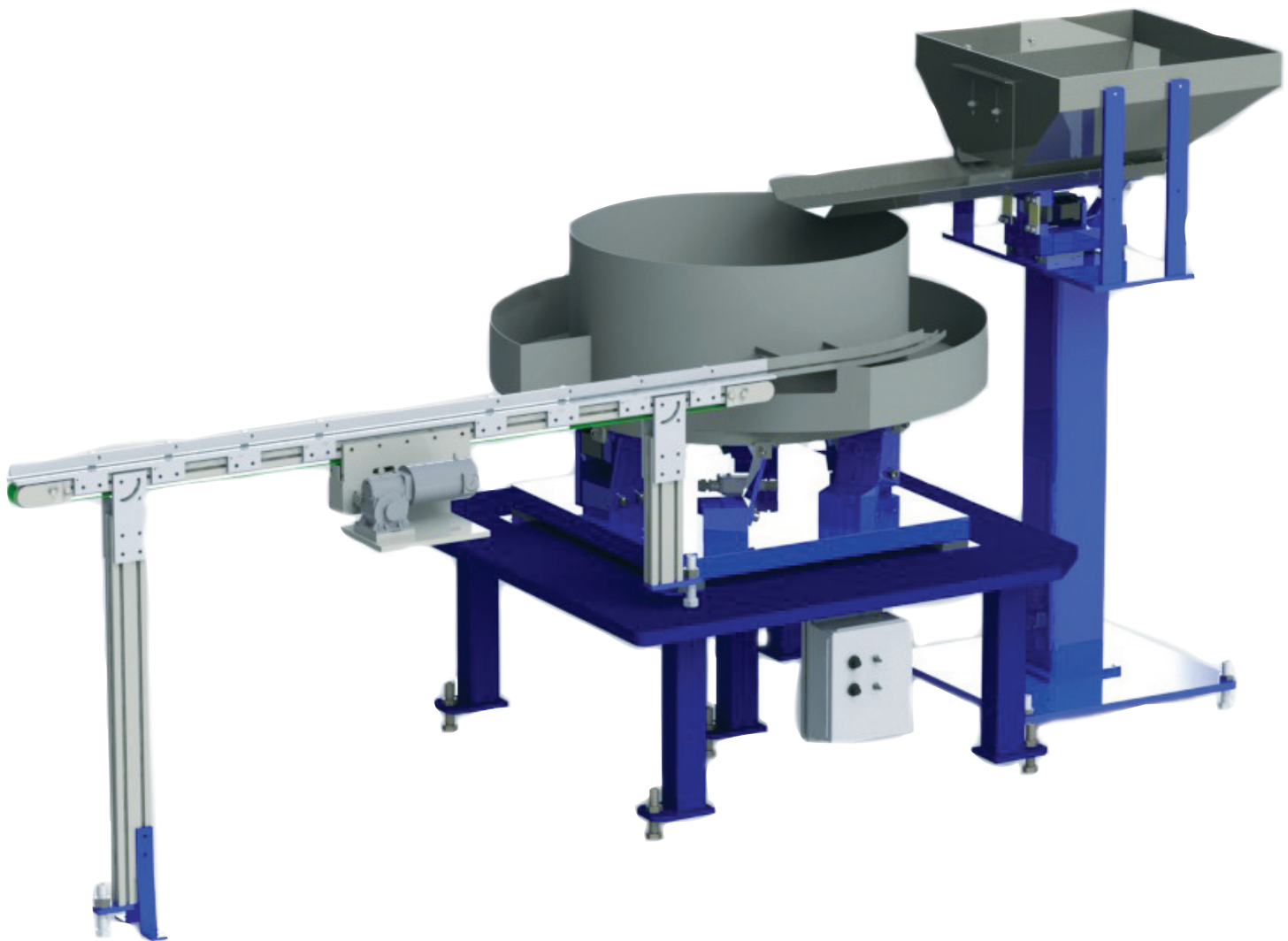




THE PERFORMANCE ADVANTAGE

PERFORMANCE FEEDERS

Manufacturer of custom parts handling systems,
the foundation of automation equipment



"It's the PERFORMANCE that counts!"



PERFORMANCE FEEDERS

Performance "Built-In" By Professionals

Our Mission

Performance Feeders is a global leader in the design and build of custom vibratory bowl feeders, centrifugal feeders (also known as rotary feeders), custom conveyor systems, vision systems, orienting elevators, part placement devices and part isolation devices. We serve manufacturers around the world in a variety of industries including, but not limited to, medical, automotive, electrical, pharmaceutical, packaging and factory automation. Our mission is to continually improve the quality of our products and services to meet our customers' requirements and needs.

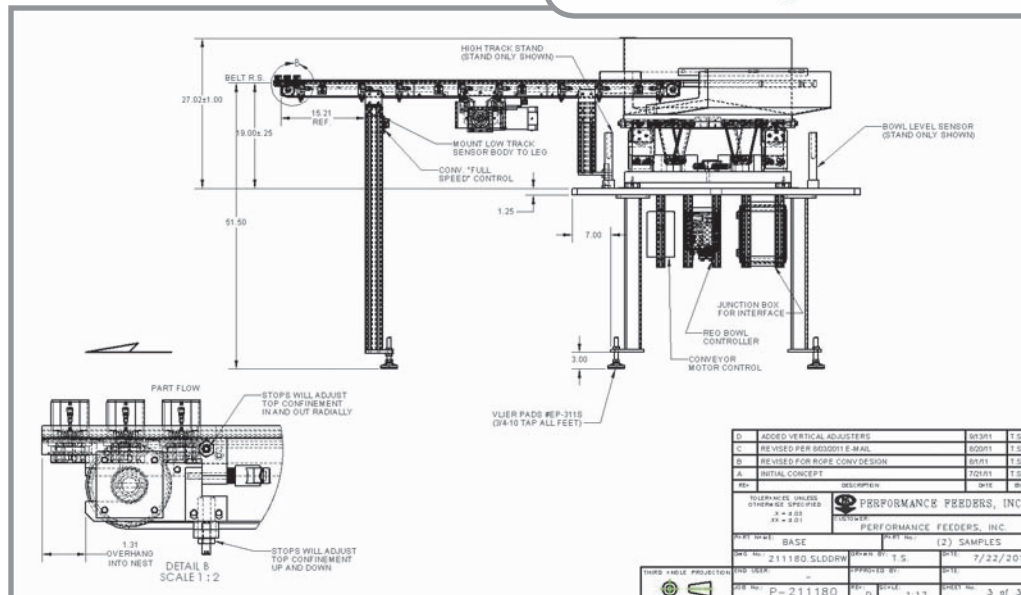
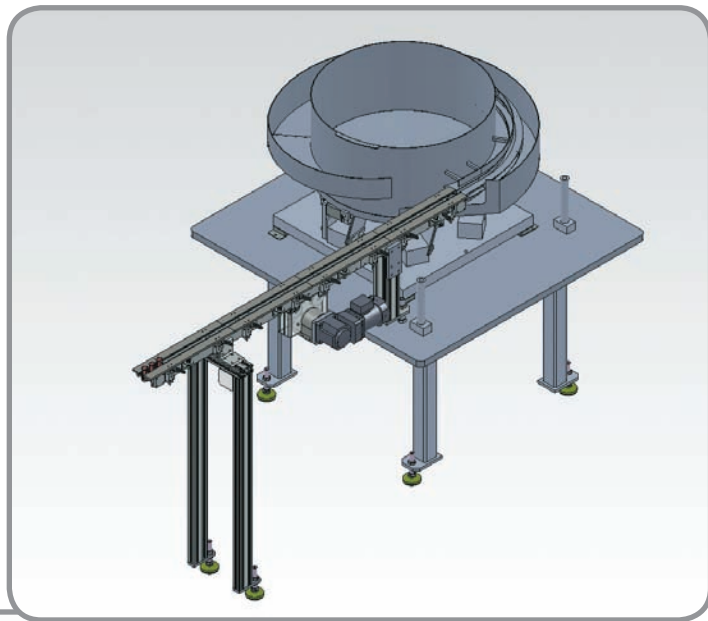
Our primary goal is the satisfaction of our customers. We also aim to achieve sufficient profits for the continued growth of the company and the security of its employees, vendors and customers. To achieve these goals we continually strive to produce the finest products in the industry.

An Experienced Single-Source Manufacturer

Established in 1973, Performance Feeders is a single source of quality part feeding and conveying systems. Performance Feeders maintains much of the manufacturing process in house allowing us to maintain quality control over our systems. This includes engineering utilizing the latest design software, standard product items required for the construction of quality feeding and conveying systems, machining all custom tooling, and manufacturing our vibratory bowls and alternative feeding systems. We accomplish this with an experienced staff that has many years experience in meeting our customers' feeding requirements.

Our dedicated, nationwide sales team includes both manufacturer representatives and in-house sales staff. They have extensive hands-on experience with feeding and conveying parts so they can work directly with you on getting the best system for your application, choosing between vibratory, centrifugal or an alternative feeding system. Please do not hesitate to call or e-mail for their assistance with your application.

From the initial quote of your application all the way through the design and build, you can rest assured that Performance Feeders will deliver a solution that meets or exceeds your expectations.



Our engineering and manufacturing team has extensive hands-on experience in both the design and build of automatic assembly feeders and material handling equipment.

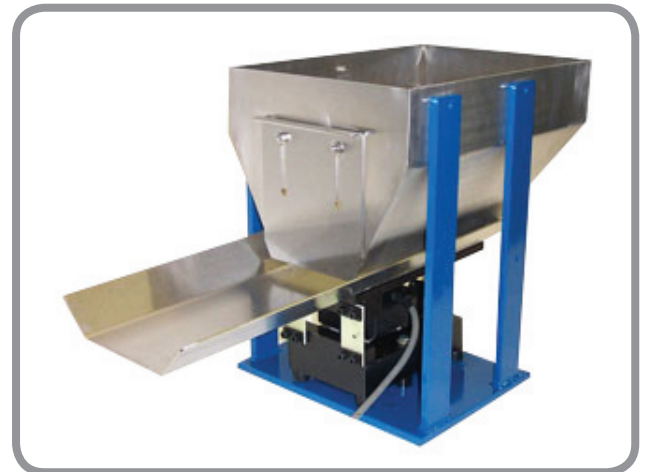


STANDARD PRODUCTS

The foundation of any vibratory parts feeder system are the standard products which drive and control the system. These include such items as Bulk Storage Pre-Feeder Hoppers, Vibratory Bowl Drive units, Vibratory Straight Line drivers, and Electromagnetic Coils.

Performance Feeders prides itself on manufacturing all of these items in-house, reducing our dependency on third party suppliers. This limits the impact on a feed system's delivery due to supplier material shortages or heavy work loads. In addition, the in-house manufacturing of our standard products allows us complete quality control over our products, eliminating any out of tolerance or defective parts as they are made, rather than discovering the issue during construction of the feed system.

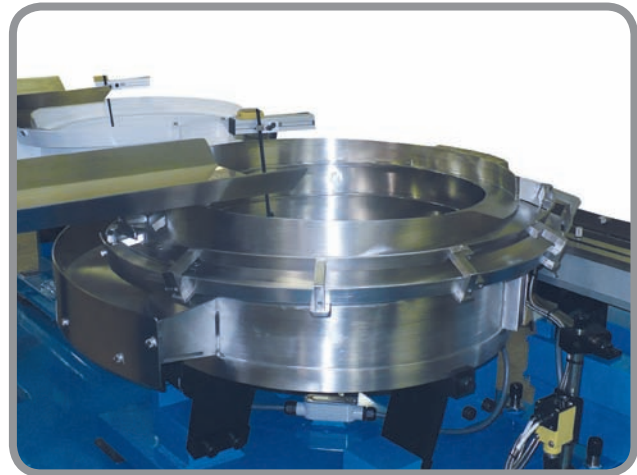
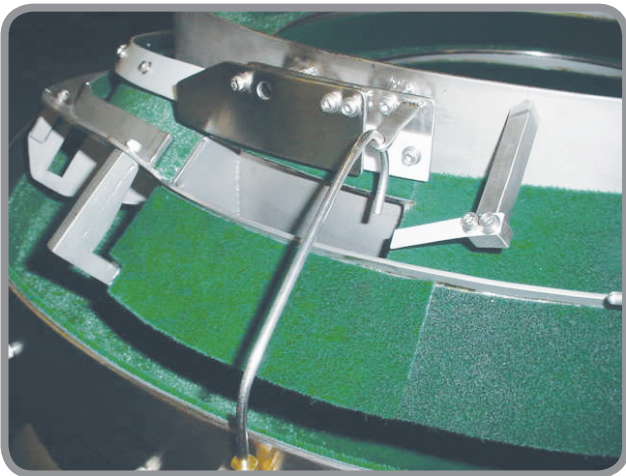
Controlling the quality and supply of our most fundamental system components has allowed Performance Feeders to build a reputation of quality and performance that is as solid as the foundation of every one of our feeding systems.



VIBRATORY FEEDING SYSTEMS

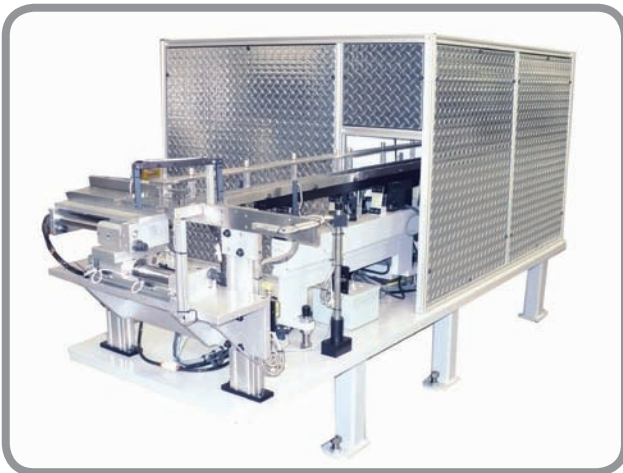
The heart of most vibratory part handling systems is the Vibratory Feeder Bowl. Crafted from stainless steel, our team of experienced bowl builders will custom design a vibratory feeder bowl specifically tailored to your application needs.

With a variety of finishes ranging from basic bead blast to medical grade hand polishing, and numerous coating options such as Brushlon, powder coating, spray-on coatings and more, a Performance Feeders vibratory feeder system can be designed to meet even the most demanding specifications.



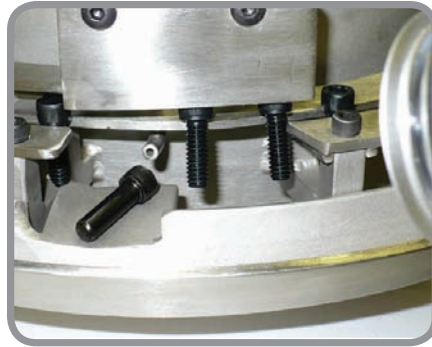
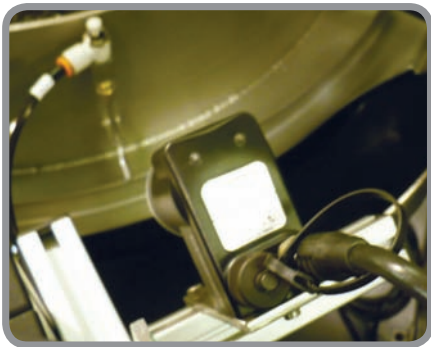
Other components of a vibratory feed system may include:

- Vibratory inline (straight line) tracks, gravity tracks and belt conveyors, which provide for transfer and storage of oriented parts between the feeder bowl and your equipment.
- Vibratory hoppers or bulk elevators, which provide for bulk storage of parts and automatic metering of parts into feeder bowls.
- Escapement and part isolation mechanisms that isolate parts for your assembly operation.
- Sensors that control the amount of parts in vibratory bowls, tracks and conveyors.
- Multiple sound abatement options.
- Standard and custom control packages.
- Base plates and tables with all components mounted for a turn-key installation.



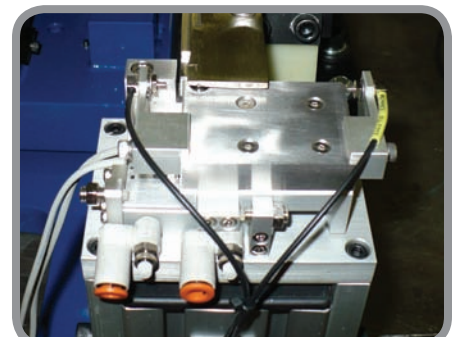
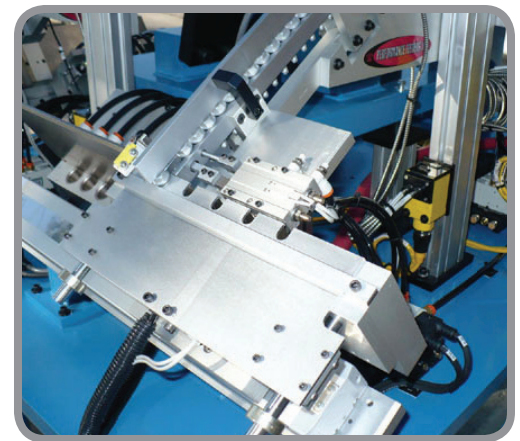
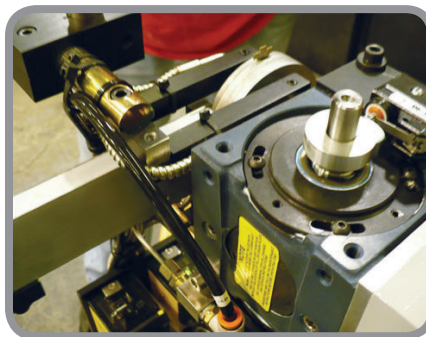
VISION SENSORS

VISION sensors allow us to orient parts in a non-traditional way. Before vision, orienting parts with internal differences was nearly impossible. With vision technology, we are able to not only orient parts in the feed system, but sort for incorrect parts, sort by color, and make change over easier for similar families of parts.



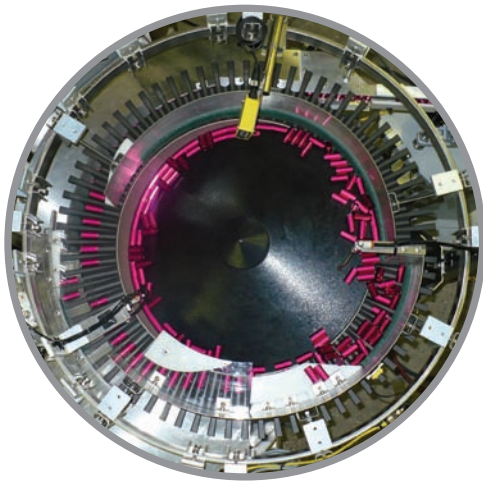
ISOLATION MECHANISMS

ISOLATION mechanisms are custom designed for your application. Examples include isolating multiple parts from a single line for part pickup or blow feeding, indexing wheels for flat washers for vertical pick up, and simple side shuttles.



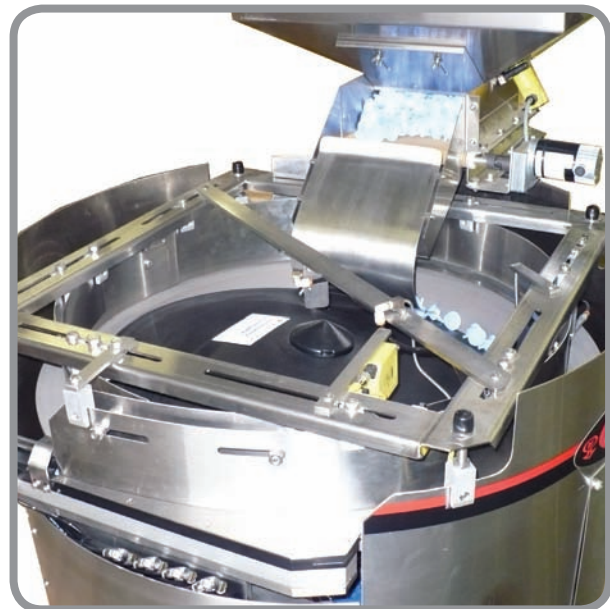
CENTRIFUGAL FEED SYSTEMS

Performance Feeders offers a line of quality Centrifugal feed systems. As a Shibuya Hoppmann dealer, there is a wide range of feeders and prefeeders available to meet higher feed rates and gentle handling for many types of light weight parts.



 **Shibuya Hoppmann**
INTEGRATION THROUGH INNOVATION

Custom tooled standard and scallop feeders provide an alternative to the vibratory feeding lines that we offer.



CUSTOM & STANDARD CONVEYORS

We manufacture a wide variety of standard and custom conveyor types and styles to suit almost any parts handling application

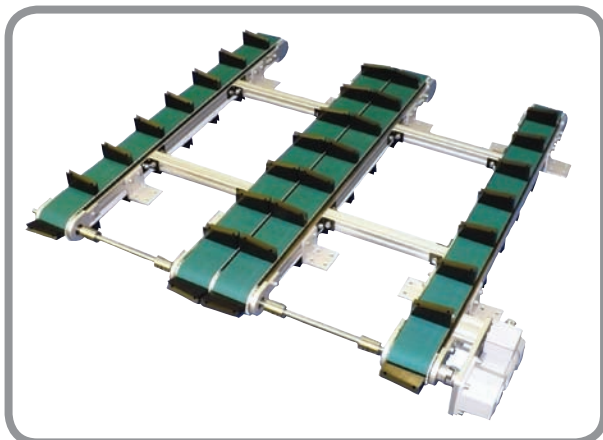


Cleated Belt conveyors are excellent for moving parts through elevation change.

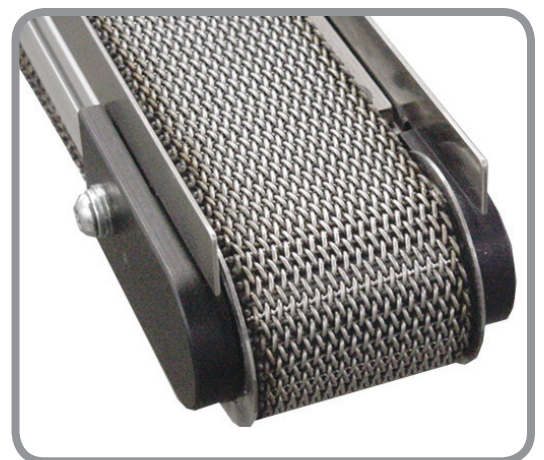
Standard Flat Belt conveyors are available with both end and center drive arrangements.



Modular Plastic Belt conveyors can be used for a multitude of parts handling and packaging processes.



Timing Belt conveyors allow for controlled and accurate indexing.



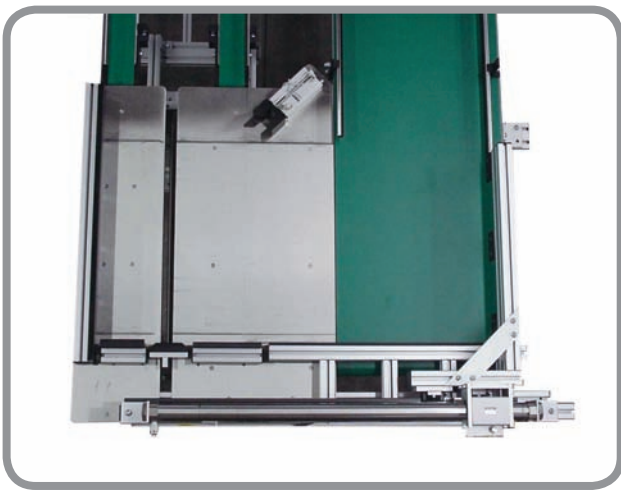
Wire Mesh Belt conveyors are great for cooling and curing processes.

TRAY & TOTE FEEDERS

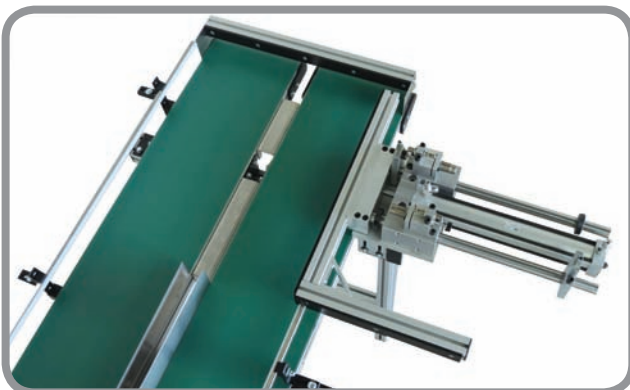
Tray Feeders offer an ergonomic solution for parts loading and unloading with the flexibility to handle as many or as few trays as your process requires. The modular design allows multiple tray sizes to be fed from the same configuration and makes it possible for a single operator to load and unload the empty or full trays from one location.



Each tray is fed into a load station and pneumatically corner-clamped for accurate and repeatable part placement to or from the tray. The trays are then ejected from the station and returned to the operator.



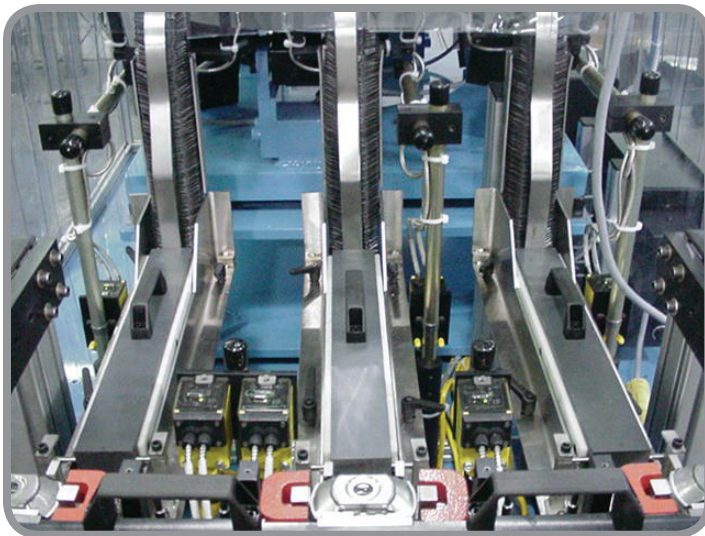
Tote Feeders are designed much like Tray Feeders but are mainly used when the part placement is less critical. This eliminates the need for multiple air cylinders and allows for a more simple controls package.



ALTERNATIVE FEEDING SYSTEMS

Orienting Elevator Feed System

Allows the orientation and feeding of some parts without the need for a vibratory or centrifugal feed system. This creates a gentler feed system while saving space.

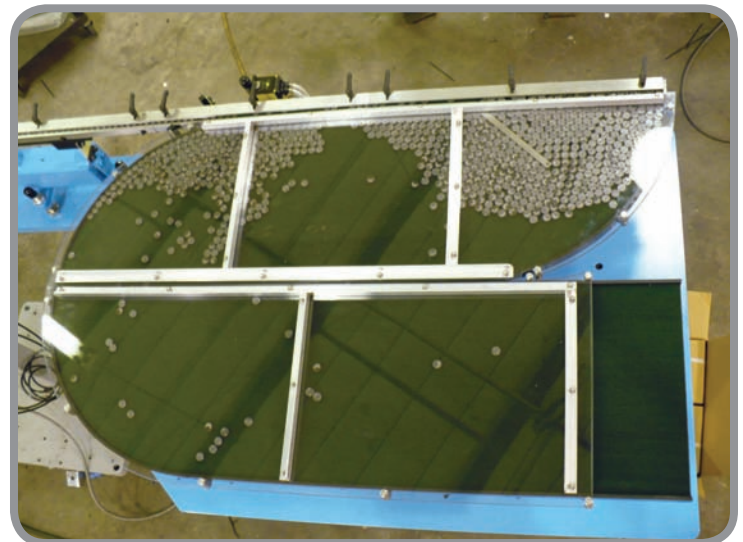


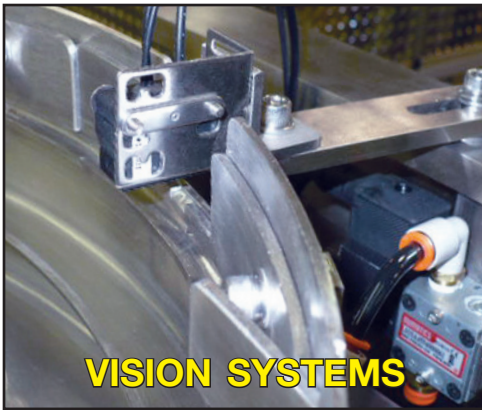
Vibratory Mandrel Feed System

Allows the feeding of thin parts that can't be fed in a traditional inline or conveyor. Parts are fed stacked so that part tolerance on the thickness or flatness is not a factor in being able to feed the parts.

Corral Feed System

Allows the storage of parts that can't be fed in a vibratory or centrifugal feeder due to part conditions. Parts are manually loaded onto the vibratory surface and fed onto a vibratory inline or conveyor which delivers the parts to the machine.

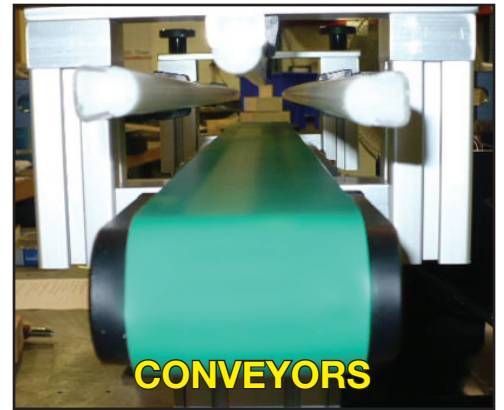




VISION SYSTEMS



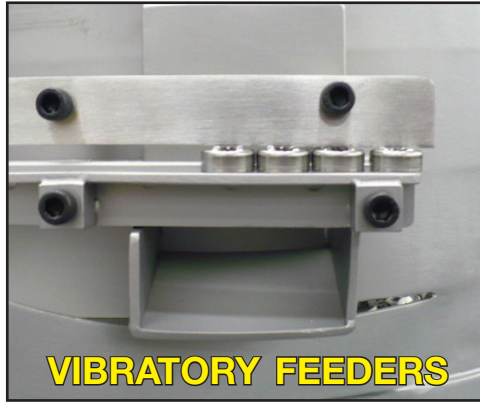
SORTING SYSTEMS



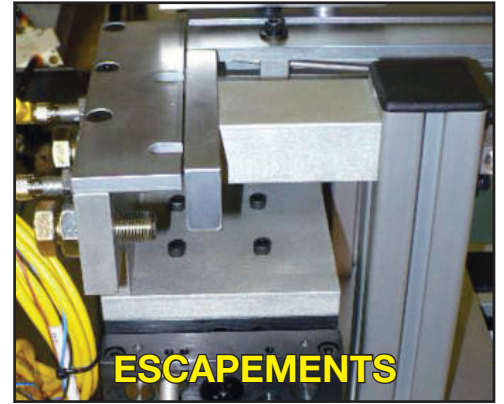
CONVEYORS



PREFEEDERS



VIBRATORY FEEDERS



ESCAPEMENTS



CENTRIFUGAL FEEDERS



PERFORMANCE FEEDERS

Performance "Built-In" By Professionals



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