

Flexible Parts Feeding by Flexomation, LLC

About Flexomation

Our mission is to be the leading supplier of flexible parts feeding solutions for robotic assembly and material handling systems.

We are accomplishing this by providing innovative solutions that simplify complex part feeding problems.

With over 30 years experience in industrial automation our team has the ability to provide solutions for your applications.

We offer multiple feeding solutions, each tailored with specific capabilities, providing an optimum solution for many applications.

Industries

Below are examples of parts from several industries.

- **Medical Devices**



- **Automotive Parts**



- **Consumer Electronics**



- **Consumer Products**



- **Industrial Parts**



Our Services

We provide pre-sales support to help determine the best feeder for your application. This support includes:

- Part evaluations with video footage provided
- In depth parts feeding feasibility studies
- In depth part analysis assistance with part design (design for "feed-ability")

We also provide post sales support, including technical support, spare parts and service.

Applications

Our flexible feeding products have been proven in the many applications. A few are listed below

- **Mechanical Assembly**

Feeding a variety of mechanical parts prior to assembly, such as fasteners, clips, diaphragms, thread inserts, etc, prior to assembly.

- **Electrical Assembly**

Manipulating and feeding electrical parts such as connectors, components and clips.

- **Material Handling**

Manipulating and feeding a variety of plastic, rubber and metallic parts prior to an operation.

- **Packaging**

Manipulating and feeding a variety of parts or devices prior to a wrapping, bagging or blister pack

Typical Part Type

Our flexible parts feeders are well suited for many parts that are difficult to feed by traditional methods. This includes materials made from rubber, plastics, metal, wood and glass.

Soft parts do not vibrate well and complex parts tend to tangle. We have helped customers successfully feed both types of parts.

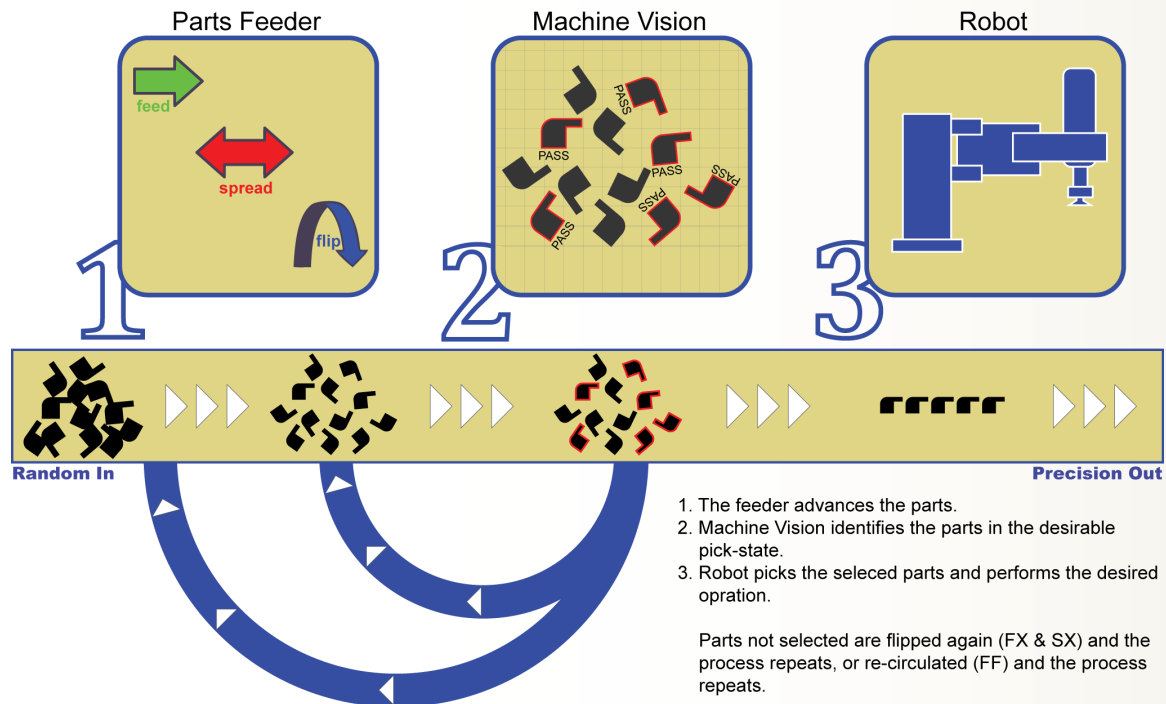
Send us your parts and we will evaluate them in a feeder and send you a video.

Flexomation

Flexibility is Our Business

Flexible Feeding Overview and Products

Flexible Feeding Overview



Products



FF250-ES Embedded Servo

A re-circulating parts feeder with embedded controls and universal interface (compatible with all standard robot systems). The conveyor belts provide part separation and presentation to the vision system. The servo-driven vision belt provides indexing or continuous motion (conveyor tracking) capability.



FF250-MB MotionBlox

This feeder provides the same capability as the FF250-ES utilizing MotionBlox-10 for the servo axes. This feeder is designed to interface seamlessly with Adept's CX-based robot systems.



anyfeed FX

This feeder advances parts utilizing a feed surface that moves in one plane. All parts are manipulated by advancing and flipping them to the desired orientation. Parts are then identified with vision and picked by the robot. Two models are available, the FX180 and FX240.



anyfeed SX

This feeder advances parts from a bulk hopper on a moving feed surface. The feed surface advances, separates and flips the parts. Parts are manipulated to the desired orientation, identified with vision, and picked by the robot. Three models are available, the SX120, SX160 and SX240.



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