



Greater flexibility and movement of parts to maximize operational efficiency.

Assembly Automation Solutions

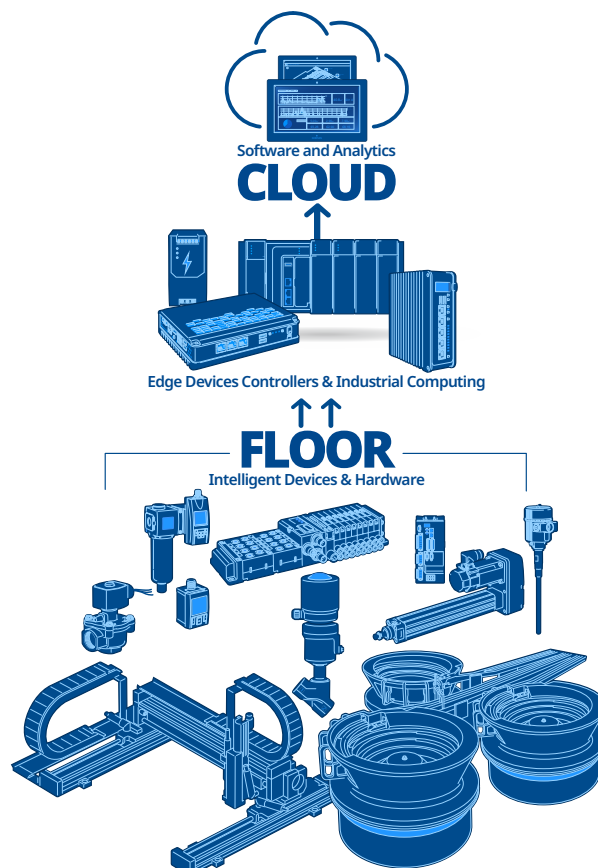
Optimize production processes with tailored assembly automation systems and components.



Assembly automation solutions.

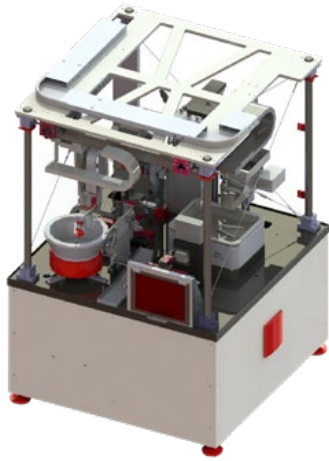
Manufacturers are continually challenged to optimize their manufacturing process and improve operating equipment effectiveness. Implementing the right part feeding and handling system is essential to meet these targets. With the acquisition of Afag, Emerson has created a leading portfolio of innovative field-proven technologies to manage part feeding, sorting and handling within your production process. Designed to meet the needs of industries ranging from automotive to life science, medical and pharmaceutical industries, our high-quality feeding and handling components and systems enable the implementation of consistent, precise and flexible automated solutions.

Our customized and standardized technologies support fast cycle times and outstanding reliability, creating a robust foundation on which you can maintain high throughput in any environment. To enhance your operations, implementing a Floor to Cloud™ approach to your automation will empower your workforce with data-driven insights to support long-term reliability, safety and productivity. Leveraging Emerson's edge connectivity and software solutions, equipment and operational data from your machine or the entire plant floor can be moved to an on- or off-premise cloud. Cloud services allow you to take advantage of advanced technologies such as artificial intelligence, machine learning and big data analytics. These can be used to create actionable insights that put your most ambitious machine overall equipment effectiveness goals in reach.



Assembly automation solutions.

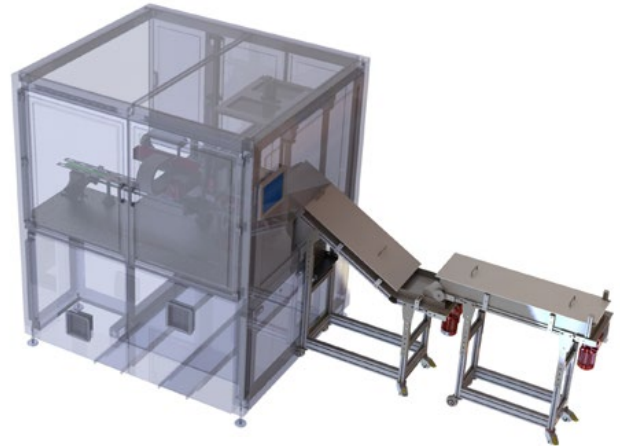
Turnkey automation solutions



Sustainable. Economical. Competitive.

Utilizing our extensive range of modular feeding and handling technologies, we develop tailor-made turnkey automation solutions for your specific application that help you achieve your business and sustainability goals. These can include integrated processes and systems, such as assembly, joining, vision/quality assurance and marking.

Flexible feeding solutions

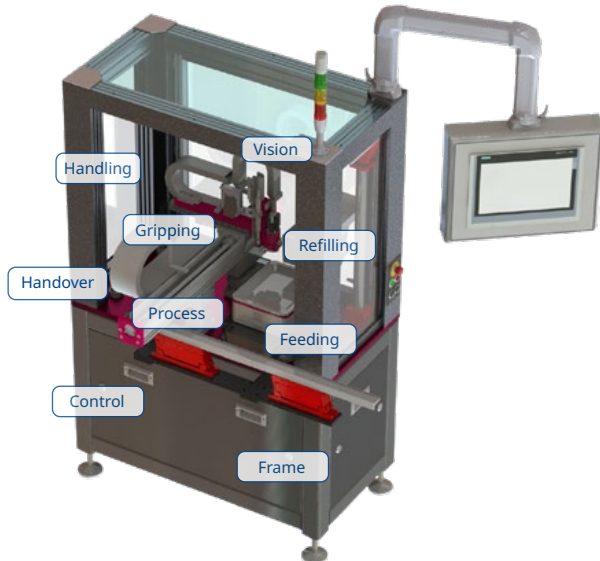


From components to complete solutions.

Our flexible feeding solutions, which can be a single component or complete customized solutions, are tailored to your needs and can process a wide variety of materials. For even greater flexibility, we can provide:

- Single system to handle different products
- Quick system changeovers
- Easy learning of new products
- Checking and sorting of products

Modular feeding system



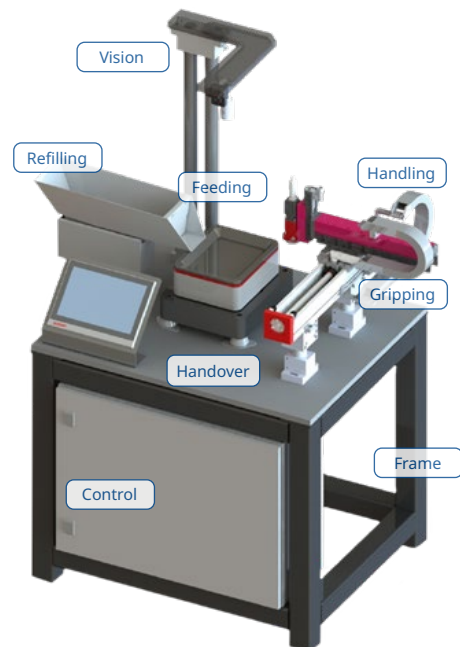
Modular. Standardized. Proven.

Configurable feeding system from a wide range of modules.

- Configurable
- Modular
- Standardized
- Expandable

Developed and combined from proven modules specifically for your requirements and needs.

aflex compact system



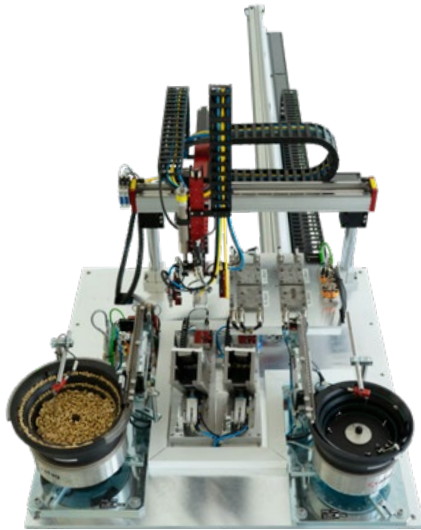
The aflex compact system is a standardized pick and place system for efficiently providing small parts in any desired position.

The solution features:

- Easy integration due to open architecture
- Suitable for a diverse range of parts
- Simple operation
- Compact design

Assembly automation solutions.

Injection molding automation solution

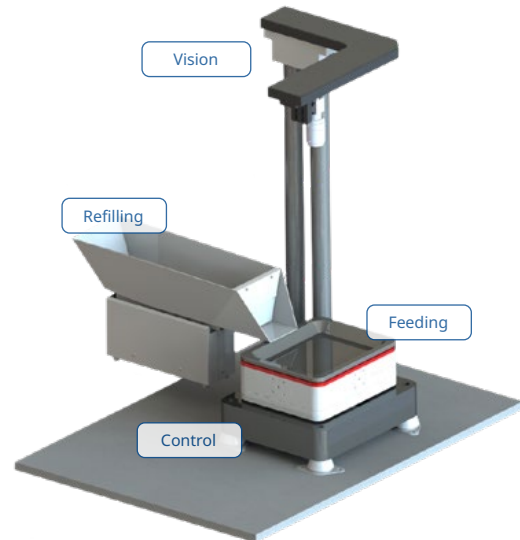


Feeding. Positioning. Provisioning.

Our application kit for injection molding systems helps to create solutions tailored to your specific application. This helps to accelerate the implementation of fast, reliable autonomous machines. Solutions can be developed for assembly and component testing, feeding and positioning with the provision of the individual inserts/in-mold parts.

- Reliable and fast provision of inserts/in-mold parts by means of loading plate
- Feeding of inserts via conveyor bowls, flexible feeding or magazine feeders
- Pick and place by means of a handling system or robot
- Choice of controllers
- Optional component inspections using high-resolution vision systems

Basic system



Feeding. Separating. Detecting.

An entry-level, fully functional system for flexible part feeding including separation and part detection.

- Easy integration
- Simple operation
- Suitable for a diverse range of parts
- Signal transfer via XY position interface

Automation system components

A range of aflex vibration platforms and flip conveyors suitable for your specific part size and geometry.



aflex qc vibration platform

Provides flip and move functionality, with diverse application possibilities.



aflex 400 lv vibration platform

Incorporates reactive force compensation, tool-free quick-change system and numerous integration options.



Flip conveyor

Suitable for flipping and moving various parts if different sizes and geometries.

Assembly automation solutions.

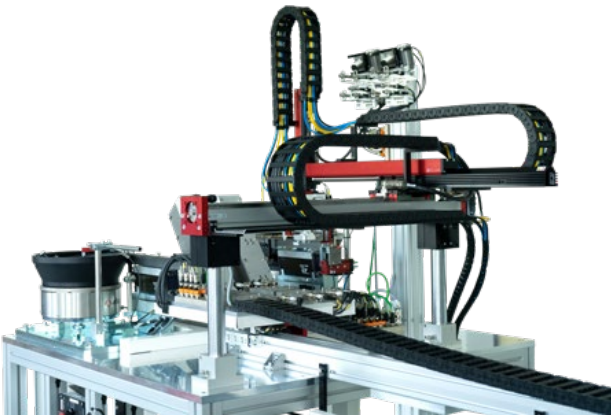
Engineering services



Your complete automation partner

- Layout planning, conceptual design and project management
- Mechanical design and software development for machines, production and assembly facilities
- Smart engineering applications including digital twin, trajectory/curve calculation, and finite element method (FEM)
- Documentation including risk analysis, failure mode and effects analysis (FMEA), operating manual, part lists, circuit diagram, fluid diagram and CE declaration

Increase the flexibility and efficiency of your production processes.



Increase your speed of innovation, agility and profitability with advanced assembly automation solutions designed for your specific application.

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