

Conceive, Design & Build Flexible Automation Machines & Systems

Focus 1: Robot and vision integration with Farason work cells and systems performing material handling operations for assembly, manufacturing, and packaging processes.



Farason has implemented the robust, reliable Adept robots and AIM software for many years, along with their integrated AdeptVision AVI Guidance systems. We also utilize ABB robots and PickMaster™ software with integrated Cognex vision systems. Chosen predominantly for high speed, continuous motion-guided applications, brand selection is often driven by application or customer specification.



IAI and Yamaha manufacture durable, accurate, and economical robots in a broad range of sizes – ideal for multiple function cells requiring high payload, cost-effective, pick and place capability. Farason leverages these strengths to provide our customers the best product at an affordable price. IAI and Yamaha offer a variety of programmable modules and exclusive pick and place devices.



Cognex, Banner, Keyence, and PPT Vision, along with a few other vision systems, can be incorporated within Farason systems to inspect product characteristics for quality determinants such as aesthetic appearance and orientation. They can also verify part tolerance compliance and evaluate assembly alignment.

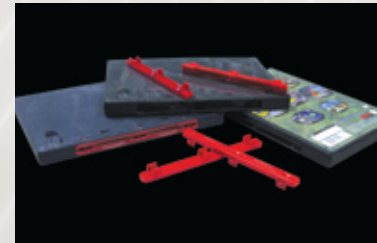
Focus 2: Design and build of custom machinery and systems which perform operations for assembly, manufacturing, and packaging processes. Our equipment is designed and built in compliance with each customer's project requirements and individual machine standards.

Willingness to successfully attempt and solve odd, unique automation challenges with innovative and creative solutions is the hallmark of Farason's reputation. Our strength lies in the depth of talented and experienced people we have on our technical team.

Many Farason employees have over 25 years technical experience, and are proficient at designing and building a variety of non-robotic automation machines. Several team members are multi-disciplinarians with backgrounds in mechanical and electrical design and build, along with programming debugging and testing. Farason leverages this wealth of knowledge and hands-on talent to create automation machines and systems that suit each customer's anomalous situation.



Tablet tube fill plug cap label



DVD security clip sort & insert



Medical test kit envelope assembly



Bakery pie & cake packaging

Sample Robotic Cell & Custom Automation Systems

- Continuous or intermittent motion vision acquisition and vision placement systems
- Flexible sorting, orienting and feeding systems utilizing robot and vision technology
- Sorting, feeding and assembling components into a complete unit/package
- Intermittent and Continuous Motion, Modular, Rotary Dial and In-Line Assembly Systems (including filling, capping, labeling, coding, gluing, pressing, welding, screwing, soldering, forming and inspection)
- Automatic Orienting, Collating and Stacking systems
- Case, Tray, and Puck loading/unloading