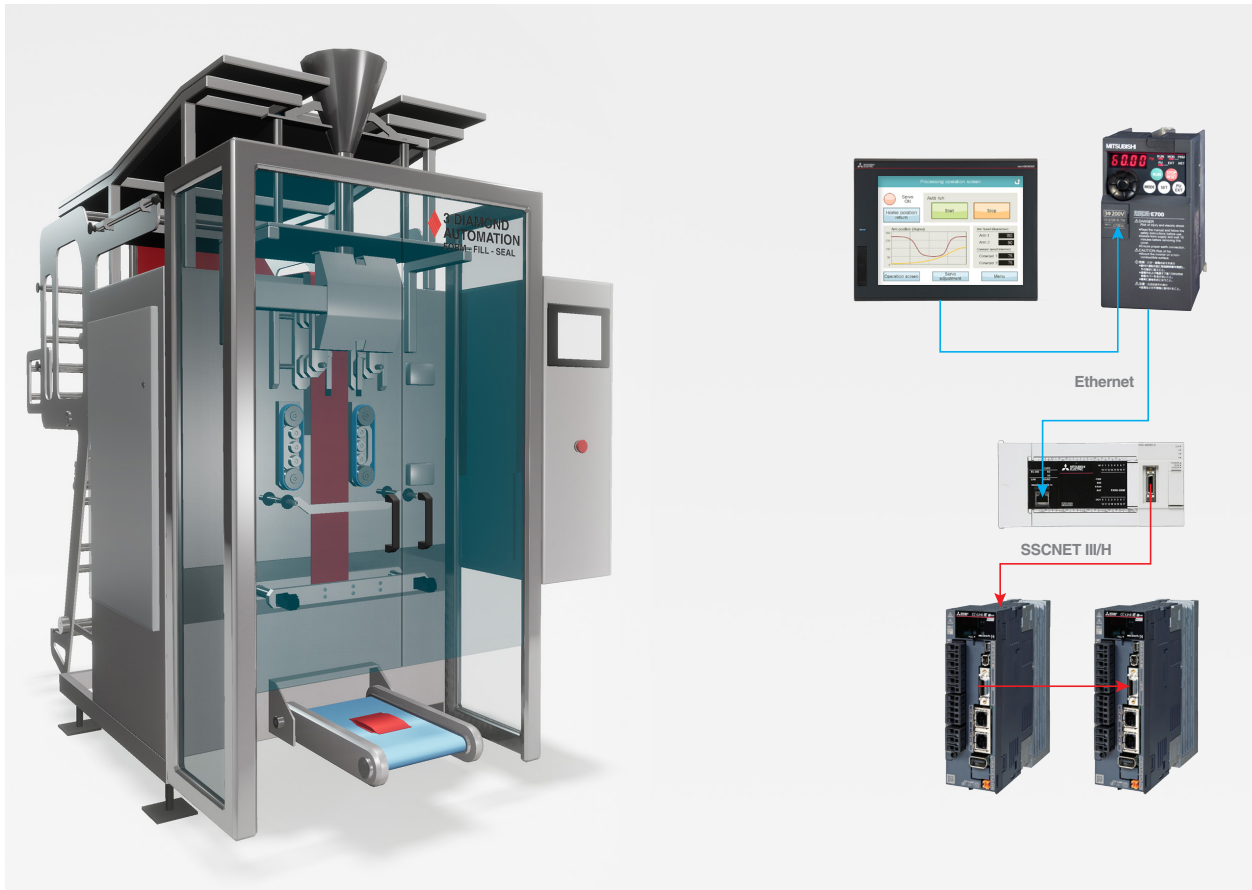




for a greener tomorrow

APPLICATION SOLUTIONS

Vertical/Horizontal Form Fill Seal Machine



TYPICAL USE CASES

Case packing machines can pack products into the following containers:

- Dry food bag packaging
- Powder packaging
- Liquids packaging

OVERVIEW

Form, fill, and seal is a common system for packaging both liquid and solid goods. Both intermittent and continuous machine types require high productivity, low downtime, and flexibility for various production requirements. Mitsubishi Electric's Pak/iQ solutions are dedicated to offering engineering efficient design environments, reliable machine performance, and system analytics management. The low cost iQ-F compact controller solution provides powerful technology for OEMs that are challenged to be more competitive in the modern packaging world.

Vertical/Horizontal Form Fill Seal Machine

SOLUTION SET

PLC: iQ-F Series

Motion Controller: FX5 Simple Motion

HMI: GT25 Series

Network: SSCNETIII/H

Servo: MR-JE Series

Conveyor Drive: FR-E700 Series

Film Roller: MR-JE-BF Series

Seal and Cut: MR-JE-BF Series

Feeder: MR-JE-BF Series

KEY PRODUCT ATTRIBUTES

- Camming autogeneration function blocks
- Easy advanced synchronization control setting
- Full synchronous performance in multi-axis systems with a compact PLC
- Seamless connectivity
- Highly integrated PLC, HMI, and motion controls
- Secure remote monitoring

THE BOTTOM LINE

- Full synchronous performance in a multi-axis system with a compact PLC
 - Suitable for continuous motion machines
 - SSCNET III/H high response as fast as 0.222ms
 - Complete deterministic and synchronized communication
 - Software based advanced synchronized control for easy setup of parameters for shafts, clutches, gears, etc.
- Less development time with increased productivity and high-quality output
 - iQ-Monozukuri Packaging saves engineering time with cam auto-generation function blocks, sample programs, and sample screens
 - One software design environment
- Less maintenance time
 - Real-time machine analysis
 - Predictive maintenance function
 - Adjust servo amplifier parameters from HMI
- Prevent untimely shutdown
 - Monitor mechanical degradation
 - Backup/restore PLC program from HMI
 - Remotely check machine status while machine is operating
- Handle multiple products and package formats
 - Touchscreen recipe control
 - Rapid changeover
- Comply with reporting regulations
 - Transfer data to upper level IT network
- Reduced operating and support costs
 - Reduce travel and support expenses
 - Reduced MTTR (Mean Time to Repair)

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L-VH-07012