



for a greener tomorrow



APPLICATION SOLUTIONS

Wrapping Machine



TYPICAL USE CASES

Wrapping applications in the packaging industry can be used to package a wide range of different products. Example applications include:

- Bottle and case wrapping
- Box wrapping
- Tray wrapping
- Shrink wrapping

OVERVIEW

Wrapping machines are often placed at the end of manufacturing lines to wrap products in plastic film material. To achieve production efficiencies, iQ-F Series compact PLCs and integrated motion controls the cutting axis with flying shear motion, so products keep moving continuously forward. With GT25 Series HMIs, remote connections are individualized so operators, maintenance engineers, and managers can check the relevant machine information.

Wrapping

SOLUTION SET

PLC: iQ-F Series

Motion Control: FX5 Simple Motion

HMI: GT25 Series

Network: SSCNETIII/H

Conveyor: FR-E700 Series

Indexer: MR-JE Series

Flying Shear: MR-JE Series

KEY PRODUCT ATTRIBUTES

- Seamless connectivity
- Highly integrated PLC, HMI, motion controls
- Remote monitoring with security
- One motion network
- Flying shear cam profile
- Mark detection

THE BOTTOM LINE

- Reduce development time
 - Pre-designed HMI screens monitor servo amplifier alarms
 - Integrated PLC and motion programming
 - iQ Monozukuri function blocks including cam auto-generation and sample project data accelerate design process
- Reduce setup and maintenance labor
 - Single SSCNET III/H cable between servo and VFD products
- Prevent untimely shutdown
 - Monitor mechanical degradation
 - Backup/restore PLC program from HMI
 - Remotely check machine status while machine is operating
- Full synchronous performance in multi-axis system
 - Highly responsive SSCNET III/H 0.222ms cycle time
 - Complete deterministic and synchronized communication
- Handle multiple package formats
 - Touchscreen recipe control
- Reduced operating and support costs
 - Reduce travel and support expenses
 - Reduced MTTR (Mean Time to Repair)

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