MITSUBISHI ELECTRIC
Changes for the Better

EMPOWERING INNOVATIONS IN PACKAGING WITH PAK/iQ

What is Pak/iQ?

We know end users are challenged to adjust to rapidly changing consumer demands and OEMs are challenged to incorporate the latest technologies to improve the effectiveness of their machines. To help you achieve all of this, the Pak/iQ portfolio consists of products and value-added functions specifically designed to improve the performance and ultimately lower the total cost of deploying smart packaging machines.

KEY FEATURES & BENEFITS:

- **Highly integrated automation –** Controls and robotics that seamlessly coordinate to work together
- **Superior machine performance –** High response, high accuracy, and fully synchronized servo motion control to maximize productivity
- **Reduced development time and improved production quality –** Validated function blocks, sample programs and HMI templates are available for most cut-and-seal applications
- **Easy setup and reliable tuning –** Optimize the mechanical system quickly and dynamically with machine learning algorithms
- **Secure remote access –** Check machine status and operation in real time from any location
- **Single software environment –** User-friendly experience with fully integrated PLC and motion configuration, programming, and diagnostics

Empowering Innovations in Packaging with Pak/iQ – Solution Overview

SMART MACHINES DELIVER IMPROVED EFFICIENCY

Analyzing production anomalies and machines shutdowns can be a challenge without robust information and operator intelligence. Smart machines re-configure automatically, saving you valuable time and money. Evaluating your machines' Overall Equipment Effectiveness (OEE) will identify areas to improve performance.

MACHINE LEARNING IMPROVES RELIABILITY

Unexpected downtime from component failure costs businesses valuable time and lost production. Manufacturers depend on reliable machines that maintain mechanical integrity and provide predictive indicators to diagnose impending issues to ensure that they meet production demands. Furthermore, remote analytics monitoring allows production to run efficiently and spare parts and service resources to be managed for just-in-time maintenance.

ENGINEERING PRODUCTIVITY IMPROVES TIME TO MARKET

Repeatable and time saving efficiency is what you should expect from your automation provider. Effective engineering productivity using proven applications saves hundreds of hours in development, allowing you to get to market faster and freeing you to innovate more.

INTEGRATED ROBOTICS

Integration of machines with robotics presents a unique opportunity to innovate beyond simple handoffs resulting in improved OEE, schedule coordination, seamless production and faster changeovers.

Manufacturers are more competitive when implementing a full range of control, motion, robotics and information to adapt to the rapidly evolving packaging industry.

RELATED PRODUCTS

Intelligent Controllers
Our full range of programmable controllers rely on industry-leading technologies to help increase efficiency whether your requirements are basic or advanced.

Machine Visualization
A complete lineup of screen sizes and models enhance the complete system with remote connectivity and real time data analytics.

Superior Motion
A wide selection of motion control, servo, and motor products leverage cutting edge technology to provide high throughput and repeatable accuracy.

Agile Robots
Class-leading speed and precision industrial robots can operate in "collaborative applications," for simple pick and place to complex assembly tasks and seamlessly integrate with PLC.

Single Software Environment
Proven application library offers function blocks and sample project data to enhance engineering productivity in one software environment.