



for a greener tomorrow

FA Application Package iQ Monozukuri PACKAGING



Strongly supporting development of packaging machines with cam control and positioning compensation
Various functions speed up and facilitate system development.

Issue

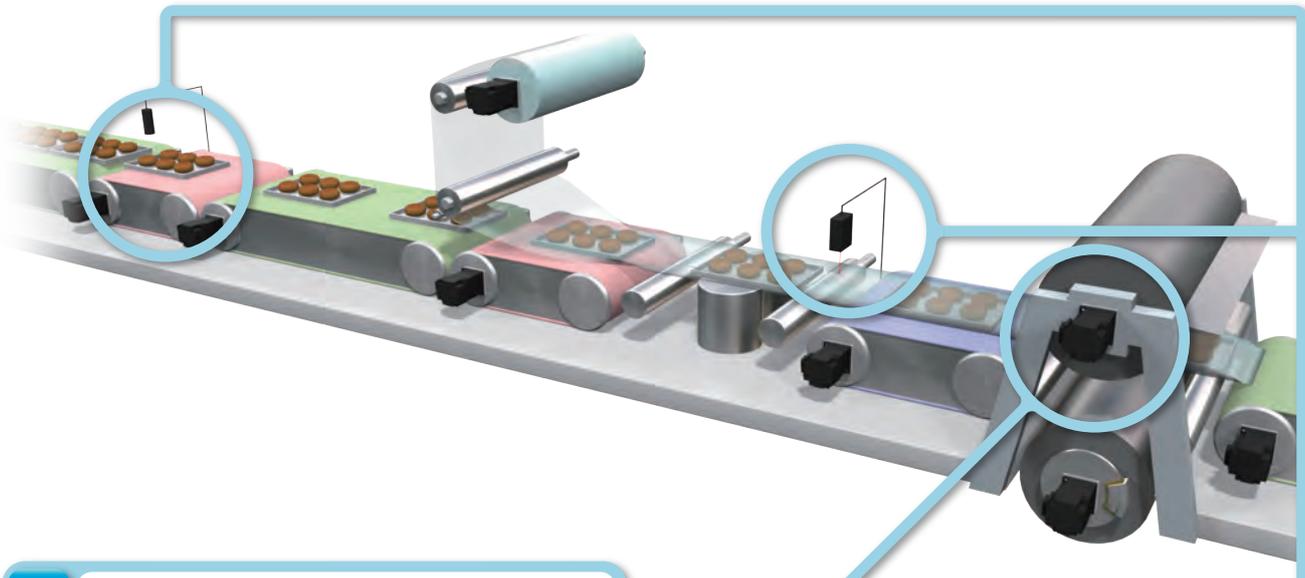
1 Long development time for new or custom machines

Issue

2 Lack of program standardization for different machines

Issue

3 Program maintenance that results in long downtimes



Issue

4 Complicated pattern and operation settings

Issue

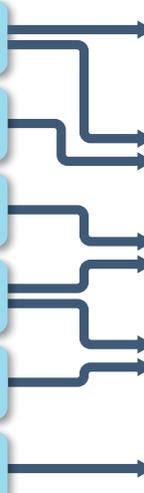
5 Difficulty creating suitable cams for various mechanism

Issue

6 Complicated methods of adjusting positioning compensation between work pieces

iQ Monozukuri PACKAGING solves the issues!

Issues with packaging machines can be solved!

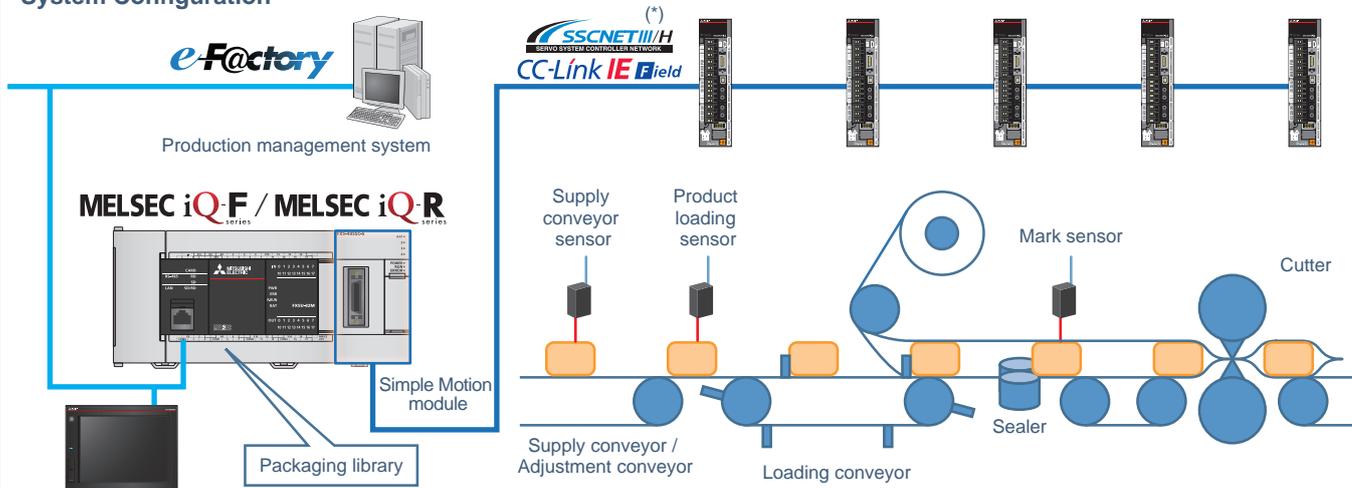
1 Long development time for new or custom machines		Reduce program development time – Easily create projects based on cam profile function blocks, sample programs, and sample GOT screens included in the package.
2 Lack of program standardization for different machines		Flexible and scalable for various applications – Function blocks are applicable for rotary cutter, flying shear, box motion, long dwell, and mark detection types of machines. Machine programs can be standardized for use on different machines.
3 Program maintenance that results in long downtimes		Intuitive Operation through GOT screen – Pre-configured screen allows users to modify production rate, axis parameters, cam settings. No PC is required.
4 Complicated pattern and operation settings		Effortless engineering adoption – Minimum cam knowledge, and no cam calculations are required to create cam profiles.
5 Difficulty creating suitable cams for various mechanism		Simple approach with advanced smart conveyor technique – Positioning compensation is calculated automatically by function blocks to align workpieces with uniform spacing.
6 Complicated methods of adjusting positioning compensation between work pieces		

Packaging library (excerpt)

Item	Description	Item	Description
Cam auto-generation	Rotary cutter cam Box motion cam(*) Flying shear cam Long dwell D-cam Cam data reading	Compensation function	Mark detection data read Auto deviation calculation Auxiliary axis compensation
		Alignment conveyor (Workpiece Spacing)	Work gap adjustment compensation amount calculation Work loading position adjustment compensation amount calculation

(*)Only the MELSEC iQ-R series Simple Motion Module is supported.

System Configuration



(*)For the MELSEC iQ-F series, the network supports SSCNET III/H only.

Products in the iQ Monozukuri PACKAGING package (AP20-PAC004AA-M□, AP20-PAC002AA-M□)

PACKAGING package DVD (a packaging library, GOT screen examples, program examples, and manuals) and a license