

Manufacturing Line Optimization powered by Saki's innovative software

Simple & Easy Programming for Everyone

The manufacturing industry currently faces multiple challenges. Among them: labor shortages, rising labor costs, and an increasing operator workload. Automation at the manufacturing site provides the solution for greater efficiency.



Saki's Three Productivity Enhancing Innovations

Innovation #1

Easily create automated
inspection programs

**Easy
Programming**

Innovation #2

Implement standardized
programming for all inspection
equipment processes

**One
Programming**

Innovation #3

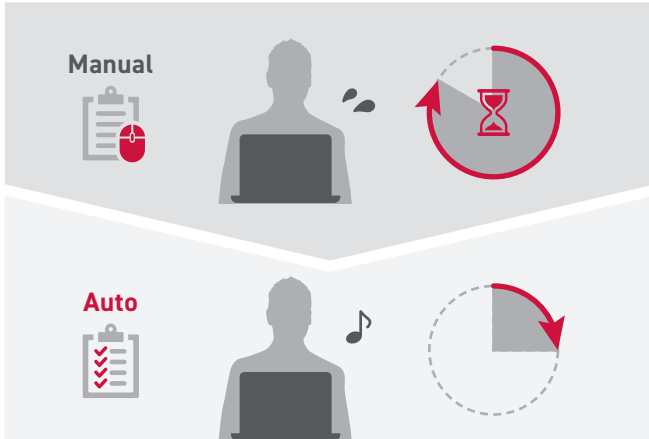
Eliminate time-consuming
duplication with Saki Link
Connectivity technology

Saki Link

Innovation #1 Easy Programming

Optimize inspection programming efficiency

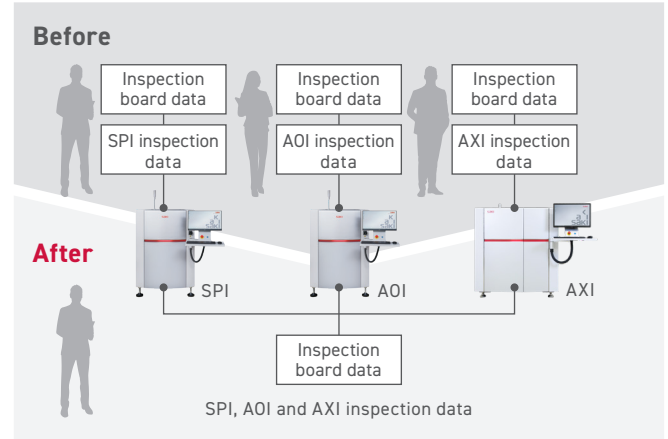
- Cut programming time and effort with automated inspection program development tools
- Eliminate programming errors with comprehensive automated data integrity checking



Innovation #2 One Programming

Reduce unwanted duplication in inspection programming

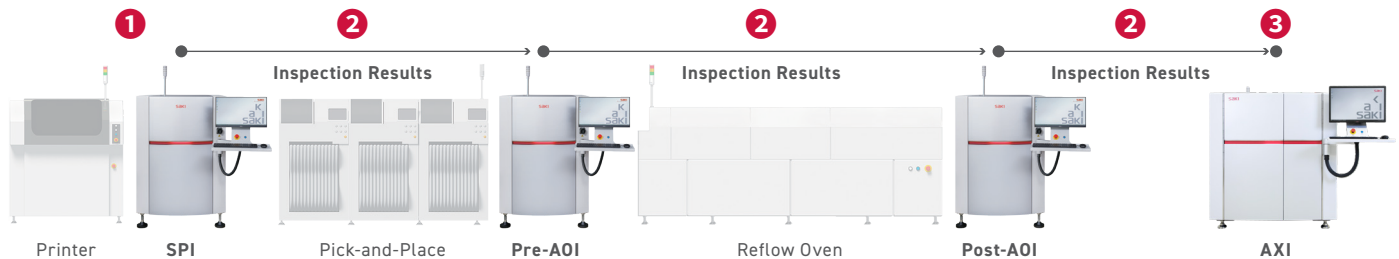
- Standardize inspection program creation for all machines
- Share common data across SPI and AOI
 - ➔ Reduce cost of labor



*AXI support scheduled for 2025

Innovation #3 Saki Link

Streamline inspection with SPI-AOI-AXI linking function



New Feature #1 Single Operation

All inspection machines can be operated from a single unit.

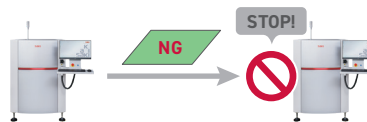
The start-of-line inspection machine loads the inspection program, starts/stops operations, and seamlessly communicates with all Saki Link connected machines.



New Feature #2 Process Check

Defective boards are prevented from being sent to post-processing.

Should the upstream inspection machine report "NG", it is deemed an "Operation Error" - human errors are eliminated.



New Feature #3 Bad Board Skip Function

X-ray inspection time is reduced.

Thanks to the sharing of AOI inspection results, the X-ray inspection system skips imaging and inspection of bad-mark boards.



[New] ECD and Solder Ball Inspection Algorithm

Saki's Unique "Full-surface Board Inspection" Technology

Saki's Extra Component Detection (ECD) detects solder balls on the entire surface of the board at the same time as regular board inspection. It is also possible to detect solder balls after flux has been applied.

