Engineering

Information transfer to an upper system	FSF F -1 FSF F -2 FSF F -3	Interface for linking with upper systems.

Logistics

Pick the right amount ovf the right material, at the right time	FSF E -1	Automatically check out materials at the right amount and at the right time using automated warehouses.
Automatic setup	FSF E -2 FSF E -3 FSF E -4	Solutions for automating setup work for materials such as part reels.
Automatic changeover for the entire line	FSF A -1 FSF A -2	Perform automatic line changeover for the entire line by reading kanban or panel IDs.

Process

Print inspection result feedback	FSF D -1 FSF D -4	Feedback from SPI inspection results is sent back to the printer to maintain stable printing.
Optical inspection result feedback	FSF D -2	Feedback from AOI inspection results is sent back to the mounters to maintain stable placement.
Board skip feed forward	FSF D -3	Board skips are performed at the mounters based on the SPI inspection results.
Remote operation	FSF C -1	Resume production and recover from error stops in centrally managed areas.
Automatic maintenance and management	FSF E -5 FSF E -6 FSF E -7	Solutions for managing maintenance and automating the maintenance work for nozzles, feeders, and heads.

Analytics

Monitor the floor status in real time	FSF B -1	Multiple SMT lines can be monitored collectively, also detailed statuses of each line and machine can be checked.
Line status realtime monitoring	FSF B -2	Display the status of each SMT line and provide guidance for countermeasures when problems occur.
Countermeasure support	FSF B -3	Display information of printers, mounters, and inspection machines in a unified manner to support analysis and improvements.
Remote monitoring	FSF B -4	Check the statuses of SMT factories and lines even when off site.
Traceability for the entire line	FSF H -1	Collect and manage traceability data for entire SMT lines.

FUJI innovative spirit

Paving the way to a new manufacturing era

FUJI Smart Factory with Nexim

FSF
FUJI Smart Factory
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Tower Factory · OMRON · ITW EAE · TAMURA · YA · VisiConsult · KOH YOUNG TECHNOLOGY · TRI · ASYS GROUP · HELLER INDUSTRIES · Nagoya · SAKI · MIRTEC · PARMI · ViTrox · CKD · mek · nagaoka · PEMTRON · VISCOM vision technology

Get optimum production through well-prepared production cycles

User system

Information transfer to an upper system
MES Interface   FSF F -1   FSF F -2   FSF F -3

Production schedule creation based on the production plan

Scheduling for production preparation

Pick the right amount of the right material, at the right time
sTower II   FSF E -1

Automatic setup
Smart Setup Station   FSF E -2
Auto Splicing Unit   FSF E -3
Reel Loader   FSF E -4

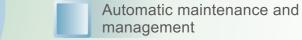### Automatic changeover for the entire line
FSF A -1   FSF A -2

Print inspection result feedback
FSF D -1   FSF D -4

Engineering | Analytics | Logistics | Process

Nexim

Remote monitoring
FUJI Mobile App   FSF B -4

Traceability for the entire line
FSF H -1

Monitor the floor status in real time
Management Monitor   FSF B -1

Line status realtime monitoring
Advanced Dashboard   FSF B -2

Countermeasure support
Defect Analyzing Master   FSF B -3

Automatic maintenance and management
Advanced Maintenance
Auto Feeder Maintenance Unit   FSF E -5
Smart Nozzle Cleaner   FSF E -6
Auto Head Cleaner   FSF E -7

Remote operation
FSF C -1

Optical inspection result feedback
FSF D -2

Board skip feed forward
FSF D -3

Category	Item	Details
A	Total management of the entire line	Total line management including batch changeover
B	Visibility	Visualization of production information and machine operating conditions regardless of the time or place
C	Remote operation	Remote operation of mounters
D	Feedback and feed forward	Machines act automatically based on information from SPI and AOI machines
E	Automation	Automated parts supply and maintenance
F	Items relating to the release of information (including MES)	The information required for connecting machines and systems is provided
H	Traceability	Production data acquisition and database storage