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.
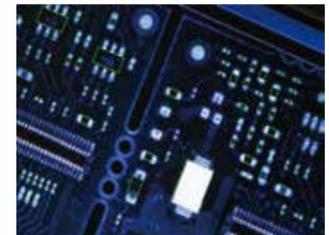
Traceability for the entire line — FSF H -1
Collect and manage traceability data for entire SMT lines.

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Paving the way to a new manufacturing era

FUJI Smart Factory with Nexim

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- The contents of this catalog are subject to change without notice.
- The information in this catalog is current as of June, 2019.

Get optimum production through well-prepared production cycles

User system

Engineering · **Analytics** · **Logistics** · **Process**

Nexim

Left side

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

Right side

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

Table

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