

## 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 of 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.

Paving the way to a new manufacturing era

**FUJI Smart Factory with Nexim**



# Get optimum production through well-prepared production cycles



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

User system

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