

Engineering

Creating production schedules

Scheduling for part picking, offline and online changeover, and production.

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

Automation units for performing offline preparation of materials and splicing.

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. SEMI SMT-ELS is supported.

Process

Automatic update of printing inspection results

FSF D - 1 FSF D - 6

SPI inspection results are updated at the pick and the mounters and the printer to maintain stable production.

Optical inspection result feedback

FSF D - 2

Feedback from AOI inspection results is sent back to the mounters to maintain stable placement.

Board skip feedforward

FSF D - 3

Board skips are performed at the mounters based on the SPI inspection results.

Monitoring and notifications for entire lines

FSF B - 5

Mobile devices notify operators of warnings and errors that occur on production lines, prompting them to take action.

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

Automation units for performing maintenance and management of feeders, nozzles, and heads.

Analytics

Line status realtime monitoring

FSF B - 1 FSF B - 2

Multiple SMT lines can be monitored collectively, and the status of lines and machines can be checked. Guidance for countermeasures when problems occur is provided.

Countermeasure support

FSF D - 5

Collect errors and operating condition information to catch trends and provide countermeasures

FSF B - 3

Support for identifying the root cause process when defective placements occur by displaying images taken for inspection after solder printing, part placement, and reflow stages, together with the relevant information.

Interface to an upper system

FSF F - 2 FSF F - 3

Interface for upper system connection. Data communication for production data from placement machines and printers, material supply information, and traceability data.

Paving the way to a new manufacturing era

FUJI Smart Factory with **Nexim**



FSF
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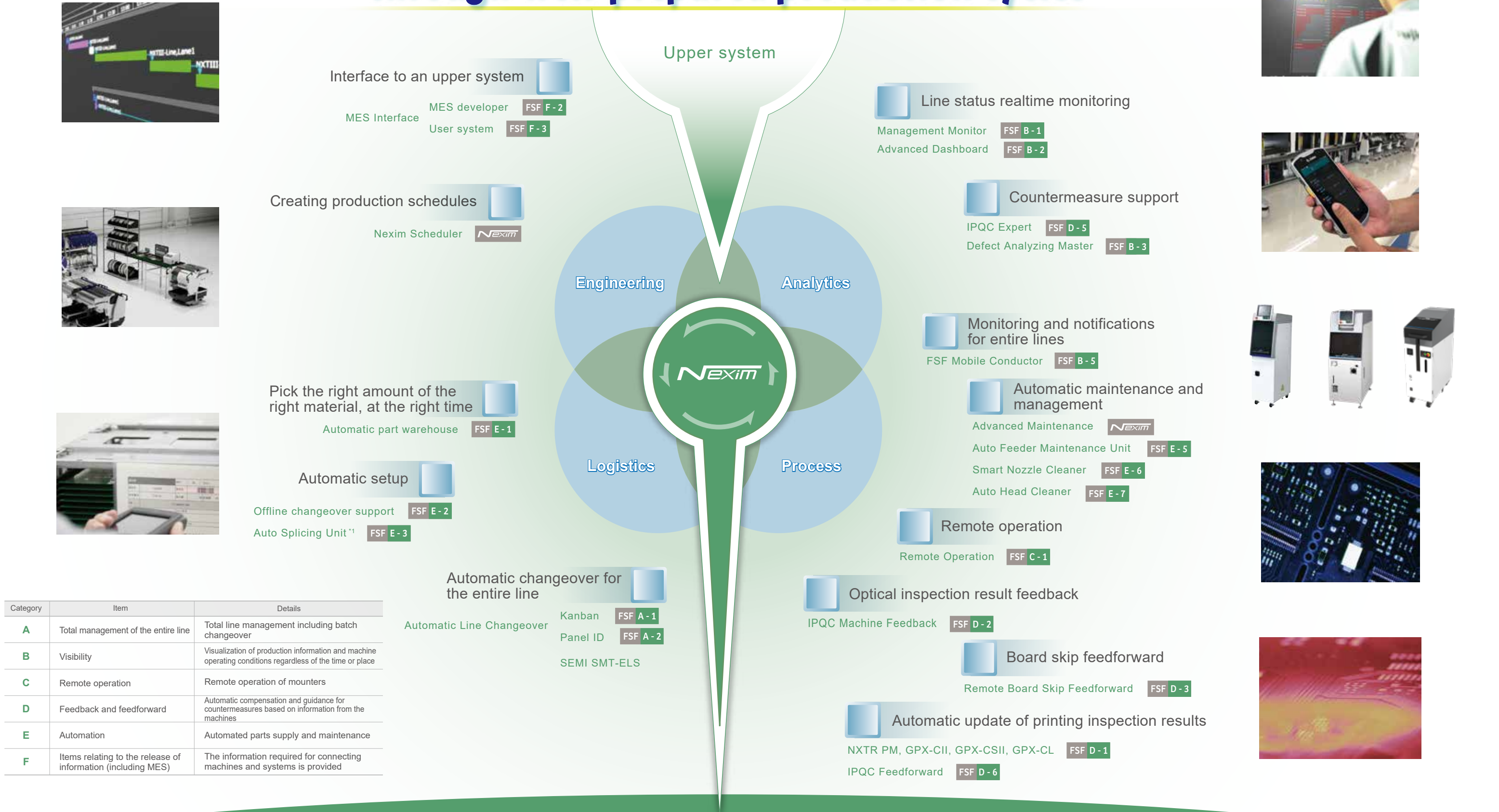
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Get optimum production through well-prepared production cycles



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 feedforward	Automatic compensation and guidance for countermeasures based on information from the 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



*1 Verification is an option item.