

# WORKS Optimization

## Intelligent process optimization along the entire SMT line



As an inline expert system, WORKS Optimization of the WORKS Software Suite from ASMPT optimizes the processes along the entire SMT line with an ambitious goal: achieve zero DPMO (defects per million opportunities).

In addition to the solder paste printing process, the Printing, Placement and Quality Viewer modules now also cover the placement process and work with third-party SPI and AOI systems based on IPC-2591 CFX, the global standard for industrial communication.

### Integrative quality assurance application



#### Pre-print optimization

DFM Health Check: A virtual print based on the stencil data determines all relevant printing and process parameters and locates critical areas in the stencil layout.



#### Holistic quality assurance

The integration of all SPI and AOI systems makes WORKS Optimization the central quality assurance instance along the entire SMT production line.



#### Rapid new production introductions

Fractional experiments: Based on a few test prints, WORKS Optimization calculates all process parameters for an optimized printing process in minutes.



#### Relief for skilled specialists

WORKS Optimization makes the work of process and quality engineers significantly easier when they have to identify and troubleshoot problems along the entire SMT line.



#### Permanent print optimization

The expert system continuously analyzes the printing results and uses them to optimize the printing process.



#### Maximum user-friendliness

As an innovation and technology leader, ASMPT brings its extensive experience in all areas of SMT production into the WORKS Optimization application.



#### Placement process optimization

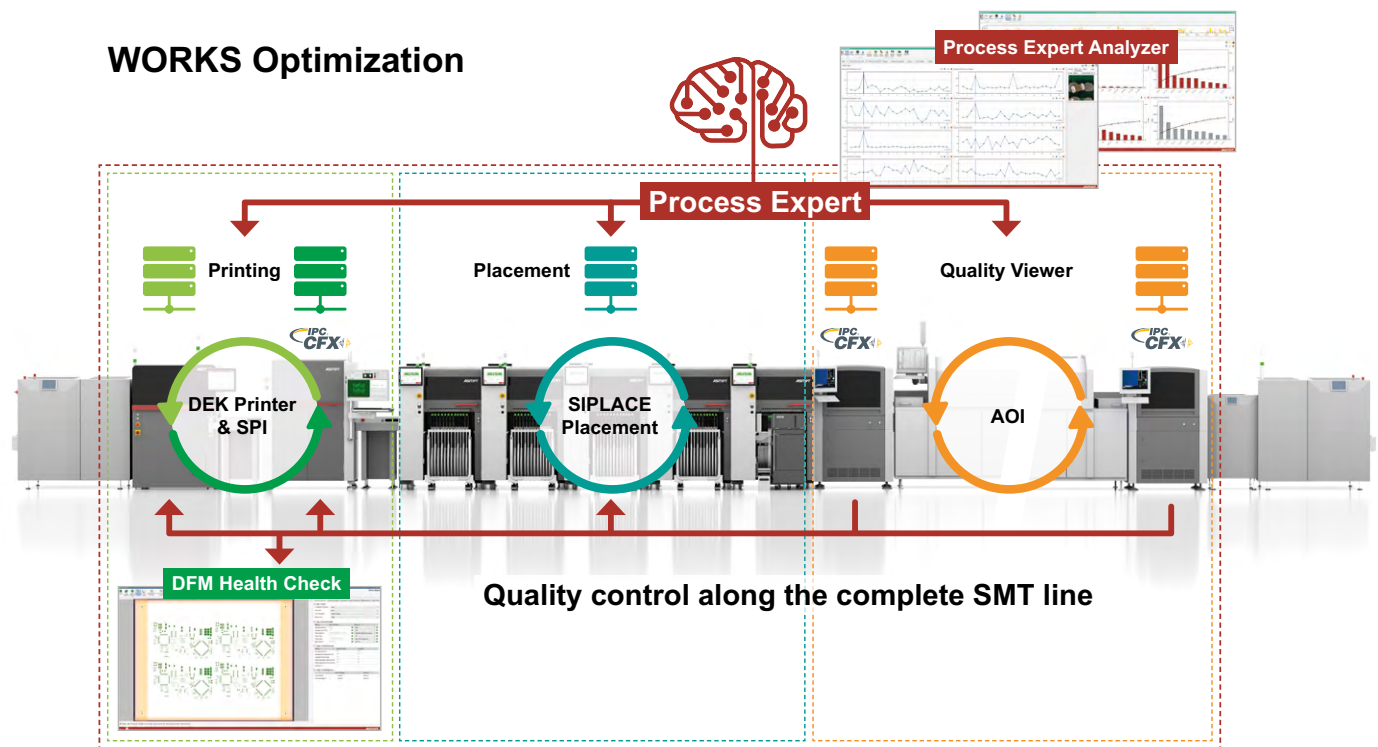
WORKS Optimization maximizes the placement machine's performance by proposing tasks with the greatest improvement effects to the operators.



#### Integration based on the Open Automation concept

WORKS Optimization enables the integration of third-party SPI and AOI systems into the electronics manufacturing process via the standardized global IPC-2591 CFX interface.

## The new benchmark in quality assurance along the entire SMT line: WORKS Optimization



### Your benefits at a glance

- Optimization prior to the first print
- Fast new product introductions (NPIs)
- Automated print optimization
- Placement process monitoring and optimization
- Integration of third-party equipment (SPI and AOI)
- Relief for technicians and specialists
- Increase of productivity
- Prevention of scrap
- Reduction of manufacturing costs

More about  
WORKS Optimization



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