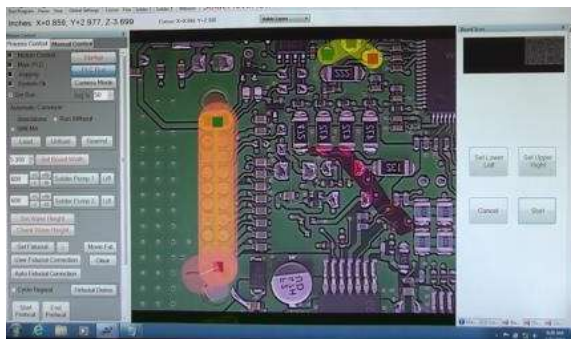# SWAK-OS 4.0 Software

Graphics-Based Programming and Integrated Machine Control Software
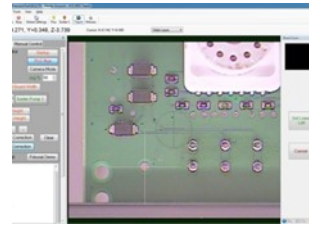
Features and Benefits

- Highly intuitive graphical user interface allows for quick and easy solder program creation

- Seamless fiducial recognition and integrated board scanning automatically captures true-to-scale image of printed circuit board

- Board mapping and pattern recognition of correct board assembly, x-out circuits or missing components

- Program mobility across multiple machine platforms with single user interface for global deployment between worldwide facilities

- Features include automated fiducial alignment, board warp compensation, on-demand help videos and remote machine diagnostics

Step #1 Capture fiducial locations

Step #2 Create true-to-scale image

Step #3 Paint flux and solder paths

Step #4 View process in real-time

Overview. SWAK-OS 4.0 is a state-of-the-art programming and editing software that enables graphic monitoring of selective soldering programs. Programs are quickly and easily created by painting on flux and solder paths with a single screen GUI. On-the-fly editing for quick adjustments can be easily made to fully optimize the process. SWAK-OS 4.0 is network compatible facilitating complete data storage and maintenance logging.

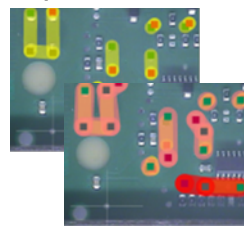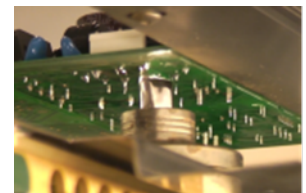SWAK-OS 4.0 graphics-based programming software

Integrated Solution. The Nordson SELECT SWAK-OS 4.0 software fully integrates with all closed-loop process controls providing seamless operation for your entire selective soldering process. Nordson SELECT's closed-loop process controls enable sucessful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

Experience. With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expertise.

Nordson
SELECT

SWAK-OS 4.0 Software

Standard Features

- Revolutionary graphics-based programming and editing functions without text based editing
- Live streaming of all process viewing camera video feeds from a single machine that simultaneously monitors soldering process
- Streamlined GUI for easy machine operation, programing and editing
- Automatic fiducial alignment with single click teach capability, seamless fiducial recognition and true X-Y and skew alignment
- Integrated board scanning function, seamlessly creates true-to-scale image and saves board image to program
- Paint on flux and solder paths to create program with single screen GUI
- On-the-fly editing for quick program adjustments
- Rotate, mirror and X-Y panel matrix commands
- Board mapping and pattern recognition of correct board assembly, x-out circuits or missing components
- Board warp compensation function
- Network compatibility with full PC backup plus program and project storage capability
- All process and motion functions are fully monitored and controlled
- Settable time/temperature profile for each individual component type for maximized process control
- Comprehensive library of on-demand help videos covering programming, preventative maintenance, calibration, etc.
- Remote machine diagnostics for long distance real-time viewing of possible abnormalities
- Process and machine interlocks
- 24/7 timer for solder pot
- Selectable password with encrypted access levels

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