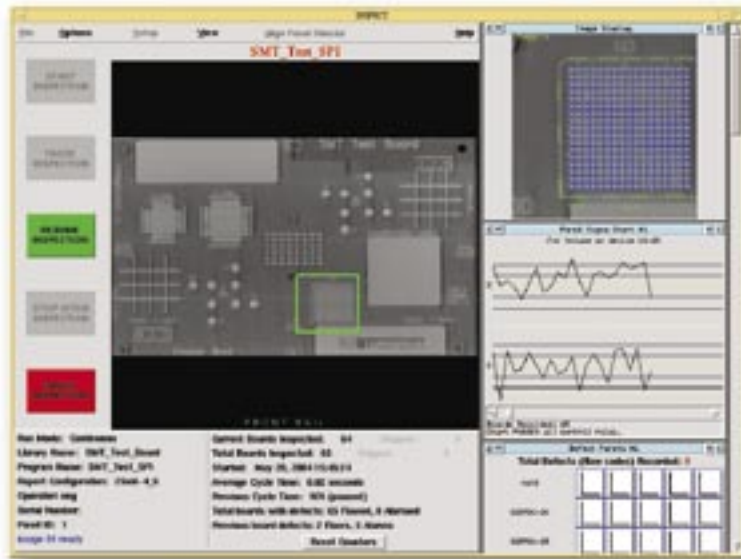


SMT V4.7 Software

Inspection Software for SVS™ Systems



New software that increases the overall ease of managing solder paste inspection & component placement inspection programs.

- Easier transfer of sequenced inspection programs between systems or with a central server
- Includes new release of UnixWare® Operating System with DHCP networking and larger drive support
- Improved solder paste algorithm provides additional robustness for challenging boards
- New sampling mode provides additional sampling flexibility
- Enhancements to operator and program creation environments for additional efficiency



More Value From Your SVS System

GSI Group is committed to helping its customers get the most efficiency and best ROI from their SVS™ systems. V4.7 of the SMT inspection software improves program management across multiple systems and streamlines certain aspects of program creation.

Easier Network Transfer of Inspection Programs

The Inspector now includes a new, more advanced, and easier to use tool for transferring sequenced programs. This works between systems of the same model type (transfers between 8200 and 8300 systems are also allowed) and makes sharing programs between systems or accessing them from a network repository easier.

New Operating System Release Included

SMT V4.7 now runs on UnixWare® 7.1.3. This newer OS supports larger hard drives and DHCP networking (automatic address allocation) so that static IP addresses are no longer a requirement for SVS systems.

Improved Solder Paste Algorithm

SMT V4.7 includes the “Newsolder” algorithm, which has several capabilities beyond those of the original “Solder” algorithm. Newsolder includes upper and lower 2-D and 3-D thresholds, handles “window-pane” printed pads better, includes a mode to help with rotated parts, and has settings which can help with robustness on challenging boards.

New Sampling Mode

A new and more efficient sampling mode is now available in the Inspector. It allows you to specify the number of panels to inspect and the number of panels to skip. This provides a more flexible alternative to the existing Inspection by Section (IBS) sampling method.

Enhancements to Operator Environment

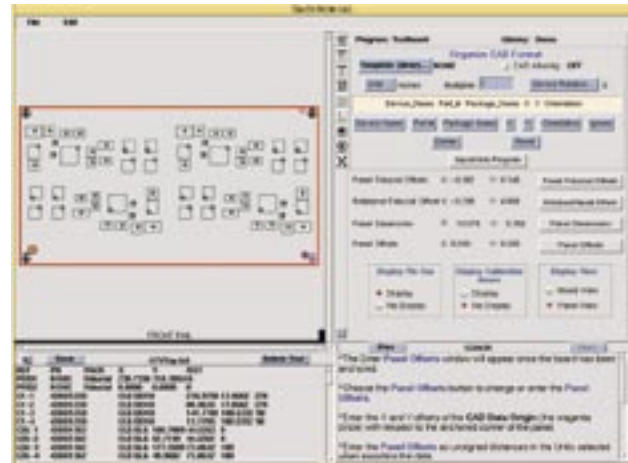
During inspection, the on-screen image and map are now displayed in the same orientation as the view appears from the front of the system through the window. This will make it easier for operators to find defect locations. In addition, it is now possible to configure an SVS system to boot directly to inspect, bypassing the normal login mechanism. Once the inspection menu is exited, the user has the option to re-login or shutdown.

Enhancements to Program Creation Environment

SMT V4.7 includes a number of enhancements designed to make programming easier and to save time during program creation. Trace-finder calibration boxes can be embedded in a template. New devices can be added or the position of existing devices can be modified by inputting coordinates manually.



Program Transfer Window



Graphical Teach Window

Support for SPI and CPI

The SMT V4.7 software is available to owners of SVS systems running previous versions of GSI Group's SPI and CPI software on Models 8300, 8200, and 8100 systems. SMT V4.7 supports both solder paste and component placement applications.

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