Agilent Technologies

Agilent Automated Solder Joint Inspection System Medalist SJ 4.12.05.04 Software Release Notes

The Agilent SJ 4.12.05.04 software release demonstrates the continued innovation and commitment to improvement in solder joint inspection by Agilent. As part of our continuing software enhancement and support service, Agilent Technologies is releasing the SJ 4.12.05.04 software to our valued customers. This is part of Agilent's software update service that provides additional value to the SJ50/sj5000 systems by offering new and improved algorithms and improved overall system stability.

- The revision SJ 4.12.05.04 has only been tested with a HP xw4400 running Windows XP Professional.
- The revision SJ 4.12.05.04 has not been tested or validated to run on Windows 2000 or any other controller type.

Question: Do I need a new license?
Answer: No! If you have software 4.12 already loaded, you already have a valid license to install 4.12.05.04 full release software. If you need to buy additional licenses, please contact Agilent's Technical Support.

Software Installation Procedure:
To install the new SJ 4.12.05.04 revision:
1. Exit out of the SJ-GUI application.
2. Backup the current AOInEngine.exe and sjGUI.exe in c:\Program Files\Agilent Technologies\SJ Series folder.
3. Unzip the package to a temporary location, example c:\temp folder or desktop.
4. Double click on setup.exe.
5. Select Yes.
6. Select Ok.
7. Select Finish to reboot your PC.

Software Reversion Procedure:
To revert to the previously installed version of the SJ 4.12.05.03 or earlier software, you will have to:
1. Go to the backup folder that you had created before installing this latest SJ 4.12.05.04 software.

2. Right click on AOInEngine.exe and select Register COM Server.
3. Double click on the sjGUI.exe icon to launch the SJ GUI application.

Terms & Conditions:

Customer's software license is transferable upon Agilent's receipt of the name, address and location of transferee and payment of any applicable fees to the extent permissible under local laws. Customer will immediately upon transfer, deliver all copies of the software to the transferee. The transferee must agree in writing to the terms of Customer's license. All license terms will be binding on involuntary transferees, notice of which is hereby given. Customer's license will automatically terminate upon transfer.

Bug Fixes

The "CR" numbers used below, refer to the Change Request numbers in Agilent's software tracking system.

CR31035:	**u-type algorithm does not export all data associated with an algo**
Type:	Bug
Problem:	The data in a u-type algorithm does not get exported fully from a database to another database, only partial data is exported, thus test coverage will be reduced.
Resolution:	Fixed

CR32731:	**Expand maximum algorithm name from 19 to 30 characters**
Type:	Enhancement
Problem:	Expand maximum algorithm name from 19 to 30 characters.
Resolution:	Fixed

CR33190:	**Add arrows to u-type Joint and Bridge failures to assist ART Operator**
Type:	Enhancement
Problem:	When a large device fails for Joint and/or Bridge defects, ART Operator has hard time figuring out which leads fail.
Resolution:	Yellow arrow will be displayed on defective image to point out joint defects and red arrow to point out bridging defects.

CR33354:	**OCV lines dropped from database**
Type:	Bug
Problem:	OCV lines dropped from database, thus test coverage will be reduced.
Resolution:	Fixed

CR33715:   **Add Extra Search Area to u-type algorithm**

Type: Enhancement

Problem: User cannot set Extra Search Area in u-type, to force the component to the middle of FOV.

Resolution: Added

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