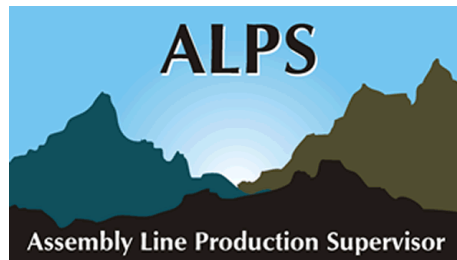


ALPS 2.84 Release Bulletin



ALPS 2.84 was built to support Windows XP with Service Pack 2. It furthermore includes a few new equipment drivers and some smaller extensions and bug fixes.

Please find the details below.

Installation

- ❑ Support for Windows XP with Service Pack 2
 - Windows XP can be used with Service Pack 2 and its built-in firewall enabled. The firewall is automatically configured by the ALPS installation job to allow the communication between ALPS Clients and the ALPS Server.

Note: The configuration changes made by the ALPS installer are included in the list of exceptions on the Control Panel "Windows Firewall".
 - A few additional 'manual' activities are needed on Server/Client ALPS systems, in the form of (re-)running the Network Setup Wizard on the ALPS Server and installing a new MDAC version on ALPS Clients. Detailed instructions are provided in the ALPS documentation provided with the 2.84 release.
- ❑ The procedure for installing ALPS with USB dongles was reviewed and improvements made, mainly in the documentation.
- ❑ A problem with the installation of the Equipment Manager on ALPS 2.83 Client systems was solved.

General improvements

- ❑ The procedure to replace license files was reviewed and simplified. This results in a procedure that, different from the earlier situation, allows to replace the ALPS

license file on a running system. This is an important improvement for large production systems requiring extension of the number of Connect Licenses, etc. with as little as possible loss of production time.

- ❑ Wafer maps that are uploaded by production equipment can now be exported to a customer-specific format without the need of an ALPS Export license (ALPS LT only).

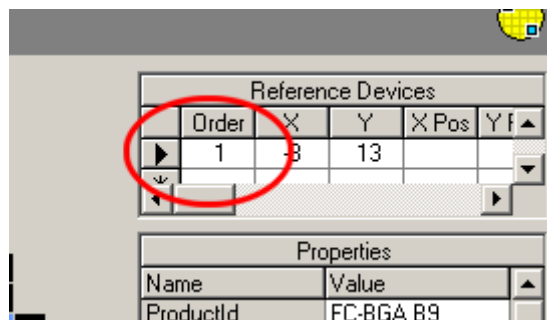
This feature was added to offer better support for test and inspection equipment.

- ❑ Several cosmetic bugs were solved, caused by somewhat different behavior of Windows XP compared to other Windows versions.
- ❑ The cause of the "Error 91" message, that occurred sometimes when entering the Map or History screen, was solved.
- ❑ A minor bug was solved with text boxes for numeric data. Emptying such text boxes used to result in error messages. This has been changed.

Recipe Screen

- ❑ A new feature was added to the ALPS recipes: Ordering of reference dies.

In ALPS 2.84, reference dies have a sequence number:



When reference dies are defined on the Recipe screen, ALPS automatically sorts them by creating sequence numbers 1, 2, 3, etc. The customer can change the order of the reference dies by changing the sequence numbers.

The sequence numbers influence the order in which the reference dies are presented in the table on the ALPS Recipe screen. More important though, is that the sequence also defines the order in which the reference dies are sent to the equipment: first the reference die with the lowest "Order" number, etc. Dependent on the equipment type, this can influence the equipment behavior.

Die Pick Screen

- ❑ A new device driver for die pick equipment from Kulicke & Soffa has been added.
- ❑ A new device driver for NSX inspection equipment from August Technology has been added
- ❑ A vulnerability in the SECS-II message router for non-standard SECS-II message was removed.
- ❑ An error was solved that caused stopping the ALPS Equipment Manager to produce an error message in the Windows Event Log.
- ❑ On an ALPS computer with no serial ports (COM ports) no equipment connections could be defined; also not equipment that does not require a serial port but connects using a local area network connection (HSMS standard). This has been solved.

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