



## GENERAL

- ❑ First release of ALPS EL
- ❑ Improvements to "embedded" capability:
  - ❑ ALPS uses SDR 4.6.7
  - ❑ The equipment no longer stops SDR when it did not start SDR itself
- ❑ Installation:
  - ❑ Fixed client installation: License tester no longer reports "unable tread export dongle"
- ❑ Enhanced problem analysis tools:
  - ❑ License tester: fixed problem with SECS license reporting
- ❑ Wafer Selector window (on various screens):
  - ❑ Added 'Enter Id' view, to simplify entering the wafer or frame ID by bar code reader. Removed Advanced/Basic button and Close button. Added three radio buttons instead, to switch between the three views
- ❑ Security improvements:
  - ❑ Improved permissions mechanism in ALPS database. It is no longer possible to add permissions by simply adding an entry in the database. The permissions in the database are encrypted.
- ❑ System tray icons:
  - ❑ When the Windows Explorer crashes, the icons did not return. Fixed this.
- ❑ Clean-up actions:
  - ❑ Removed Transfer screen (not implemented)
  - ❑ Various screens: improved uniformity of for text styles ("captions")

## MAP SCREEN

- ❑ Added Frame ID information
- ❑ Added Product Setup information (name)
- ❑ Added Mount button, allowing to enter or edit a frame ID

## PRODUCT SETUP SCREEN

- ❑ It was not possible to leave the flat-notch value on the product setup screen as unspecified. This would result in an error when the wafer map is downloaded. Fixed this.
- ❑ When leaving the screen, while the 'Create product Setup' dialog box was up, this box was not closed correctly. This resulted in some problems. Fixed this.

## HISTORY SCREEN

- ❑ Added Frame ID information
- ❑ Added Product Setup information (name)
- ❑ Fixed bug when displaying empty wafers (no bins left)

## SORT SCREEN

- ❑ Removed unnecessary delay on startup of ALPS Sort

## DIE PICK SCREEN

- ❑ Fixed ASM driver, incorrect S2F27 was sent to diebonder
- ❑ Changed Alphasem 9020 driver to check NULBC - and BCEQU value from diebonder
- ❑ Fixed problem in ALPSEMDiepick: no reference dies could be specified on product setup
- ❑ The equipment status icon in the system tray area has changed, because the error condition (red "traffic light") was not sufficiently clear. Now, when an error occurs, the icon blinks between red and white. If ok, the icon is blue.

## SYSTEM SETUP SCREEN

- ❑ Several clean-up actions:
  - ❑ Combined scan and type buttons into one button: 'scan or type'
  - ❑ It is allowed to specify no site for the Equipment Manager

- ❑ Added '(none)' entries in site selection boxes
- ❑ Changed order of user/password/site fields for Import, Purge and Notify
- ❑ It is allowed to enter no user/password/site for Purge and Notify
- ❑ Improved errors when user specifies wrong user/password information for Import, Purge and Notify
- ❑ Fixed a bug to display the correct flat-notch and origin value on the system setup screen
- ❑ Fixed overall tab-order on system setup screen
- ❑ Fixed tab-order on 'path-enter' dialog boxes

## SECURITY SETUP SCREEN

- ❑ Added Export Permission
- ❑ Removed Transfer permission (Transfer screen not having been implemented)