

5DX Paperless Repair (PLR) vs. Medalist Repair Tool Comparison

	PLR	Medalist Repair Tool
SYSTEM REQUIREMENTS		
Operating System	Windows NT (with SP5)	Windows 2000 (with SP2), Windows NT (with SP5), XP
CPU	Pentium II or better	Pentium III or better
RAM	128MB	512MB
Hard-disk space	80MB	1GB
SOFTWARE REQUIREMENTS AND FUTURE ENHANCEMENTS/SUPPORT		
Database Dependency	No database, text format repair records	Requires MS SQL Server
Compatibility with other Agilent test system software	TestWise and Ferret (user contributed software)	Medalist Quality Tool
Future features and enhancements planned	No. No PLR updates since April 2001. New software capabilities are not available for PLR (Example: alphanumeric pin numbering)	Yes. Medalist Repair Tool is the repair solution for the future for all Agilent manufacturing test platforms
Software licensing scheme	Site-wide license	Requires use of server software. Floating client licenses
SYSTEM SECURITY		
User login required	Yes	Yes
Security log	No	No
Administrator able to assign privilege rights to a group of users or create a user list	Yes. Configuration is done locally at each client PC or site	Yes. Administration is done centrally on ITF server
SYSTEM CAPABILITY		
Support other Agilent testers (AOI, X-ray, ICT)	No, limited to 5DX only	Yes
Multiple clients able to access the same defect or repair data	Possible through shared network drive.	Limited to max. 10 clients for standard ITF server. Medalist Repair Tool performance impacted by network traffic and bandwidth
Output Capability	Allows multiple .RLE output destinations and configurable format	Allows for XML or single .RLE output destination and format; Choice between two .RLE output naming conventions
DATA INPUT METHODS		
Customized keyboard	No	Yes, available as an option
Function keys (e.g. F1, F2 etc) can be assigned with different shortcuts.	Yes, configured locally at each client PC or site.	Yes, configured centrally on ITF server

Barcode Scanner	Yes	Yes
DEFECT IMAGES & VIEWS		
Image Viewer Integration	Image appears in separate window from the main screen and can be closed creating the potential for defect escapes.	Image viewer integrated into user interface – cannot be closed.
Save image feature	No	Yes
Print image feature	No	Yes
Panel/Board View	Zoom +/- (3 Discrete steps only: Panel, Board, Component view); No panning	Zoom +/- (multiple magnification steps; Panning supported
Multi-Board Panel Graphics	Graphics for each board on a panel are shown separately potentially resulting in the operator incorrectly evaluating the wrong board	The panel outline is displayed and the individual board under review is highlighted ensuring the correct board in the panel is inspected
Divided Board Handling	Requires repair operator to scan the serial number for the board twice to disposition the entire board	Integrates both halves of the board into one graphical repair display
Image Size/Network Efficiency	.tif images (10x size of .jpg images)	.jpg images (10x decrease in traffic, same image quality as .tif images)
REPAIR OPERATIONS		
User has the option to repair, repair later and specify false call	Yes	Yes
User can manually add a defect not captured by the tester	Yes	No
User can re-classify/change defect call	Yes	Yes. User can also add new defect types from the ITF server
Accessibility to repair history	Yes. User must manually delete records or configure the system to automatically purge past records	Yes. System automatically purges files according to life-time rule settings.
Undo last repair action	Yes, repair actions for the entire board are also reset.	Yes, undo last (only 1) action without resetting other records.
Central Defect Presentation	Defects are presented one component at a time	All defects for the entire board are presented in table view
Component Find Function	Defect list only – can go to component only if it fails test	Component find function – allows component search for any tested component
Ability to scrap board	No	Yes

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