

# The Full Spectrum of AOI Solutions

## AutoTrainer - ePro Off-line Programming and Optimization

MVP's AutoTrainer enables complete off-line programming for AOI equipment. The AutoTrainer supports off-line database generation utilizing the ease-of-use based ePro Programming Wizard. Off-line program fine tuning and optimization utilizes the Auto-Optimize Wizard for superior performance and confidence in the AOI coverage and detection rates.

The capability to save multiple images of a new product gives the flexibility to tune off-line with confidence. The AutoTrainer fully emulates our in-line AutoInspectors on a networked computer and eliminates conflicts between on-line inspection and programming needs. Centralized engineering support for multiple machines, program and library maintenance, as well as back-ups are easily supported on the AutoTrainer.

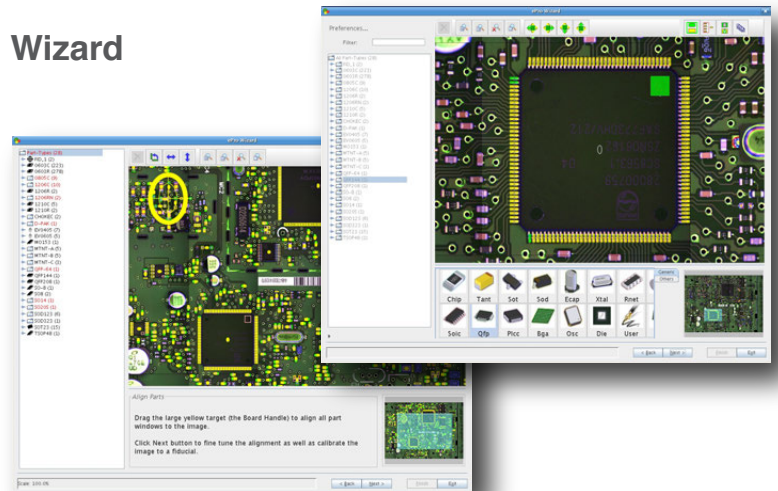
### ePro Easy-To-Use Offline Programming Wizard

### Generate New Parts in Seconds

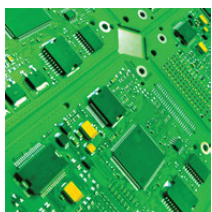
### CAD and Gerber Import Tools

### Flexible Standard Library

### Offline Auto-Optimize Wizard for High Performance



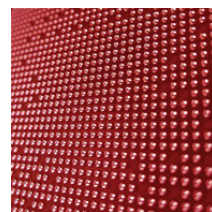
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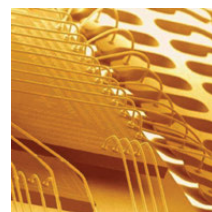
SMT AOI



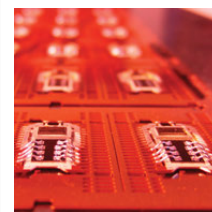
3D Paste AOI



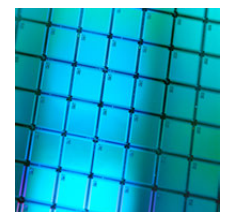
BGA AOI



Wire Bond AOI



Die and Epoxy AOI



Die Surface AOI



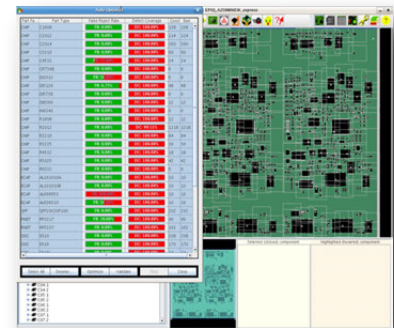
### ePro Wizard Database Generation

With MVP's advanced off-line programming technology, inspection programs can be set up entirely off-line. MVP's ePro design wizard allows users to easily design even the most complex parts within a matter of seconds with a fully graphical user interface. Scanned images are overlaid with geometry models to facilitate quick and accurate generation of new parts. Integrated with a standard parts library the ePro design wizard allows import of previously designed components and inspection routines as well as the ability to create new parts where default inspection algorithms provide a high level of performance.



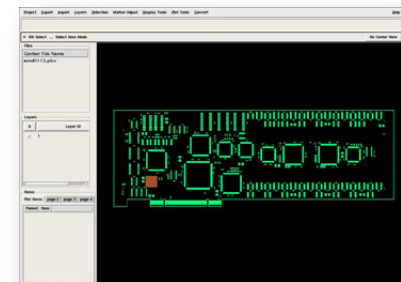
### Auto-Optimize Wizard

After a database has been generated, inspection parameters are fine tuned to the customers process. Utilizing the Auto-Optimize Wizard, users are able to utilize MVP's latest ease-of-use tool that simplifies algorithm settings and optimizes performance with a single utility. The user has confidence in the performance of the inspection parameters as the Auto-Optimize wizard maximizes detection rates to 100% while driving false failures to 0%. Each part type performance is easily viewed within the Auto-Optimize wizard GUI.



### CAD Interfaces

MVP has designed their own programming interface to handle a variety of different CAD data formats. Both design CAD and placement CAD, including data from Gerber formats, can be used. Additionally, MVP can provide customized translators to virtually any CAD database. MVP also supports CircuitCam and CADCAM program generation modules for automatic database set-up.



### Support Tool

The AutoTrainer technology serves as a powerful remote support tool. MVP customers can send images from their inspection systems to MVP for a remote debugging and optimization assistance. The AutoTrainer is also a powerful training tool since trainees can learn and practice all programming and optimization functions off-line.

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