

CAD Convertor

"To optimize the use of our MIDAS AOI inspection system, we convert our CAD Files to Midas Golden images to use as our inspection masters."

Inspection Template Workstation

Converting part CAD files to inspection templates, for your MIDAS Vision inspection system, is essential to produces high fidelity masters and increase process efficiencies by eliminating your reliance on golden parts. A golden part simply cannot provide the precision of a



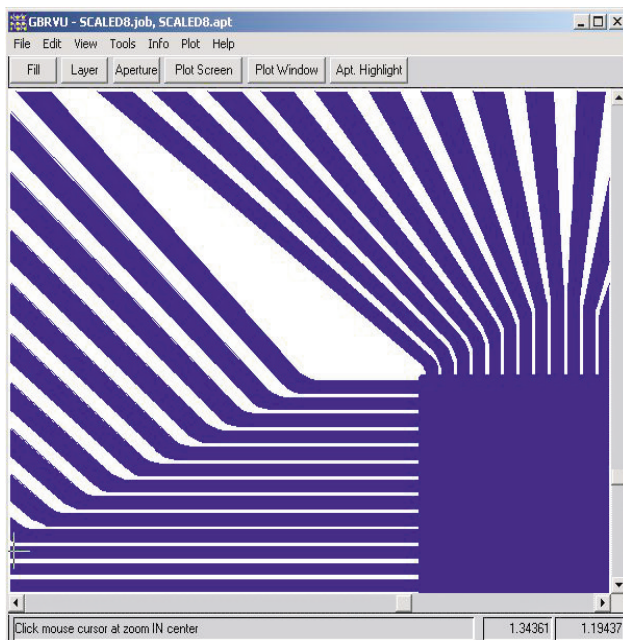
CAD-based template because of the production variances inherent in these parts.

Also, a golden part requires tedious and time consuming human inspection that is especially difficult and unreliable with smaller features. Industry leaders are now adopting the powerful combina-

tion of an AOI system with a CAD-based template generator as their total inspection solution.

MIDAS Template Workstation

The MIDAS solution offers a high-powered, professional workstation for creating inspection templates from the



popular Gerber CAD file format.

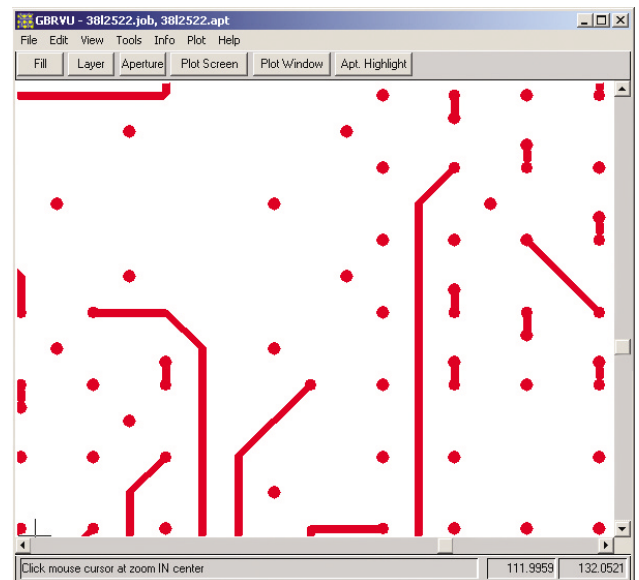
Networking the workstation allows multiple inspection systems to access templates and associated parameter files, thereby increasing process conformance, traceability, and standardization.

MIDAS CAD Convertor Software

The heart of the workstation is the MIDAS CAD Convertor software, which converts CAD files (RS274D, RS274X, and Pentax) and defines unique tolerances for various features on the circuit according to the associated (or embedded) aperture files.

Using the convertor is simple, just...

- select the proper CAD file
- define an inspection area on the circuit pattern
- create a Midas Aperture file
- define the tolerances for various groups of features on the circuit.





Workstation Hardware

CPU	Intel Pentium III™, 1 GHz
Memory	512 MB RAM
Disk Storage	60 GB Internal Drive, 250 MB ZIP™ Drive, 3.5 in. Floppy Disk
Display	Flat display, 19 in. (110/220, 50/60 Hz switchable)
Interface	Optical mouse, Keyboard
Network Interface	10/100 baseT network adapter
Electrical	110/220 VAC, 50/60 Hz
Other	Professional Workstation Cart External UPS available for power fault protection

Software

Operating System	Microsoft Windows 2000 Professional™
CAD Converter	A comprehensive suite of tools that provides you with following features: <ul style="list-style-type: none">• Read and edit Gerber data formats according to EIA Standard Rs-274D, including the extended RS-274X formats such as Pentax.• Classify objects to prepare them for processing• Apply mesh to control line-to-line spacing of objects• Batch process families of templates• Manage part recipes to build custom image processing sequences for multiple files• View and edit the imported file at any stage of the process

Other

Training time	Process Engineer: 8 hours, typical
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