Competitive Matrix, GerbTool 13 verses CAM350 8.0 & earlier

Functions File Menu	GerbTool™ YES	CAM350™ YES	Notes:
New	YES	YES	
Open	YES	YES	
Close Merge	YES YES	YES YES	
Save	YES	YES	
Save As Import	YES	YES	
Wizard	YES YES	YES YES	
Gerber	YES	YES	
Aperture List Drill	YES YES	YES YES	GerbTool offers a GUI driven aperture rule creator, CAM350 does not.
Drill Tool List	YES	NO	GerbTool can read stand alone drill tool lists.
Barco DPF	YES	YES	
HPGL IPC-D-356	YES YES	YES YES	
DXF	YES	YES	
Mill/Rout CAM350	YES	YES	GerbTool now supports CAM350 7.X.
ODB++	YES YES	YES YES	
PADS ASCII	YES	YES	GerbTool supports PADS Perform and PowerPCB
Export Gerber	YES YES	YES YES	
Aperture List	YES	YES	
Drill Drill Tool Lint	YES	YES	CorbTool can expert stand along drill tool lists
Drill Tool List Barco DPF	YES YES	NO YES	GerbTool can export stand alone drill tool lists.
IPC-D-350	YES	YES	
IPC-D-356 DXF	YES YES	YES YES	
Mill/Rout	YES	YES	This offers bookward compatibility for Orat Task wares a
GerbTool v8 HPGL	YES YES	NO YES	This offers backward compatibility for GerbTool users only.
Postscript	YES	NO	GerbTool can export PostScript natively.
Bitmap Page Setup	YES YES	NO NO	GerbTool can export Windows BMP files natively. CAM350 did not allow the user to setup "page" type information without going through print
Print	YES	YES	
Print Preview Print Setup	YES YES	NO YES	
Send	YES	NO	GerbTool can send the active design via e-mail.
Save Log Exit	YES YES	NO YES	GerbTool stores a log file of all major transactions, this log can be saved to disk.
EDIT	YES	YES	
Undo	YES	YES	
Redo Select	YES YES	YES NO	CAM350 could not group objects together and store them. Each edit process was unique.
New Group	YES	NO	
Add to Remove From	YES YES	NO NO	
Invert	YES	NO	
Clear Copy to Clipboard	YES YES	NO NO	" " GerbTool can Copy and Paste from the Windows Clipboard.
Paste from Clipboard	YES	NO	
Item Copy	YES YES	NO YES	GerbTool allows users access to data at an item, or object, level basis.
Move	YES	YES	
Delete Text	YES YES	YES YES	
Vertex	YES	YES	
Add Delete	YES	YES	
Move	YES YES	YES YES	
Clip	YES	YES	
Join Rotate	YES YES	YES YES	
Mirror	YES	YES	
Scale Dcode	YES YES	YES YES	
Transcode	YES	YES	
Expand Scale	YES YES	YES NO	CAM350 could not scale dcodes separately.
Polarity	YES	NO	CAM350 didn't allow the user to change the polarity of data on the fly, it required composites
Change Drill Align Layers	YES YES	YES YES	
Snap Pads	YES	YES	
Origin Purge	YES YES	YES NO	CAM350 forced a undo buffer purge at every save. It also only stored the last 15 edits.
VIEW	YES	YES	
Window	YES	YES	
Zoom in Zoom Out	YES YES	YES YES	
Pan	YES	YES	
All Film Box	YES YES	YES YES	
Redraw	YES	YES	
Sketch Overlay	YES YES	YES YES	
Grid	YES	YES	
Composites Backside	YES YES	YES YES	
Virtual Panel	YES	YES	
Clear Highlights		NO	CAM350 could not control the highlighting, it was fixed to various functions.
	YES		CAM350 could not control the highlighting, it was fixed to various functions
Highlights Selections	YES YES YES	NO	CAM350 could not control the highlighting, it was fixed to various functions. GerbTool allows users to turn off the selection highlights during editing.
Highlights Selections Selections Filter	YES YES YES	NO NO YES	GerbTool allows users to turn off the selection highlights during editing.
Highlights Selections	YES YES	NO NO	
Highlights Selections Selections Filter Save 1 thru 8 Recall	YES YES YES YES YES YES	NO NO YES NO NO NO	GerbTool allows users to turn off the selection highlights during editing. CAM350 lost this feature after the ECAM Family of products.
Highlights Selections Selections Filter Save 1 thru 8	YES YES YES YES YES	NO NO YES NO NO	GerbTool allows users to turn off the selection highlights during editing. CAM350 lost this feature after the ECAM Family of products.

Tool Bars	YES	YES	
Restore Tool Bars View Tabs	YES YES	NO NO	CAM350's toolbars were fixed, not Drag and Dockable. CAM350 did not support multiple view tabs.
Add	YES YES	NO NO	CAM350 did not support multiple view tabs.
Delete	YES	NO	пп
Add	YES	YES	
Flash	YES	YES	
Draw	YES	YES	
Rectangle Vertex	YES	YES	
Drill	YES YES	YES YES	
Slot	YES	YES	
Circle	YES	YES	
Arc-Center	YES	YES	
Arc-3 Point	YES	YES	
Array Polygon	YES YES	YES YES	
Text	YES	YES	
Setup	YES	YES	
Layers	YES	YES	
Apertures	YES	YES	
Drill Tools	YES	YES	
Mill Tools Composites	YES	YES	
Layer Sets	YES YES	YES YES	
Documentation	YES	YES	
Reports	YES	YES	
Apertures	YES	YES	
Drill Tools	YES	YES	
Mill Tools	YES	YES	CAM2ED did not offer any built in de sum station (
Redline Add Text	YES YES	NO NO	CAM350 did not offer any built-in documentation features.
Add Text Add Ballon	YES YES	NO	
Add Arrow	YES	NO	N N
Add Line	YES	NO	n n
Sketch	YES	NO	
Delete	YES	NO	нн ни
Properties View Redlining	YES YES	NO NO	
Drawing	YES	NO	""
Dimensioning	YES	NO	0.0
Add Dimension	YES	NO	N N
Delete Dimension	YES	NO	нн ни
Modify Dimension	YES	NO	
Properties Add Line	YES YES	NO NO	нн
Delete Line	YES	NO	п п
Modify Line	YES	NO	нн
Drill	YES	NO	""
Add Hole Chart	YES	NO	нн ни
Delete Hole Chart Modify Hole Chart	YES YES	NO NO	
Update Hole Chart	YES	NO	
Fabrication	YES	NO	п п
Add Note Ballon	YES	NO	нн
Delete Note Ballon	YES	NO	N N
Modify Note Ballon	YES	NO	N N
Analysis DRC/MRC	YES	YES	GerbTool uses an Analysis Suite were all checks can be "batch" run with multiple rule sets.
Information Checks	YES YES	YES NO	
Min Air Gap	YES	NO	CAM350 only allows access to this by macro.
Min Trace Width	YES	NO	CAM350 only allows access to this by macro.
DRC	YES	YES	
Pad/Pad	YES	YES	
Pad/Trace Trace/Trace	YES YES	YES	
Border	YES	VES	
Min Pad		YES YES	
	YES		
Min Trace	YES	YES YES YES	
Min Trace Stubs	YES YES	YES YES YES NO	
Min Trace Stubs Drill/Drill	YES YES YES	YES YES YES NO YES	
Min Trace Stubs Drill/Drill Pad/Drill	YES YES YES YES	YES YES YES NO YES YES	
Min Trace Stubs Drill/Drill	YES YES YES	YES YES YES NO YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask	YES YES YES YES YES	YES YES YES NO YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask	YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask	YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask	YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask	YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Missing Top Mask Missing Bot Mask Missing Bot Mask Pad or Mask/Top Silk	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Missing Top Mask Missing Bot Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO NO	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO NO YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO NO	CAM350 must run all DFF checks as "stand-alone" they cannot be "batch" run
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO YES YES	CAM350 must run all DFF checks as "stand-alone" they cannot be "batch" run.
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO NO YES YES YES YES	11 H
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Top Mask Drill/Dot Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES YES YES	ин нп нп
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES	11 H
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Dop Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES YES	ни пи пи пи
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Top Mask Drill/Dop Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES	ни ни ни ни ни ни ни
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Dop Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES NO NO YES YES NO NO NO NO YES YES YES YES YES YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Drill/Top Mask Drill/Dop Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pot Solder Bridge	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES NO NO YES YES<	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Pitch	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES YES YES YES YES YES YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Bot Mask Pad/Bot Mask Trace/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Pitch SMD Spacing	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES YES YES YES YES YES YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Bot Mask Slivers Isolated Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Pitch SMD Spacing Layer Registration	YES Y	YES YES NO YES YES YES YES YES NO NO YES YES YES YES YES YES YES YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Pot Solder Bridge Pin Holes SMD Pitch SMD Spacing	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES YES YES YES YES YES YES YES YES	
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Bot Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Pin Holes SMD Pitch SMD Spacing Layer Registration NLC Net Short Net Open	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES YES YES YES YES YES YES YES YES	<pre>"" "" "" "" "" "" "" "" "" "" "" "" ""</pre>
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Dot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Pitch SMD Spacing Layer Registration NLC Net Short Net Open No Copper	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES YES YES YES YES	<pre>"" "" "" "" "" "" "" "" "" "" "" "" ""</pre>
Min Trace Stubs Drill/Drill Pad/Drill Pad/Drill Pad/Drop Mask Pad/Bot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Spacing Layer Registration NLC Net Short Net Open No Copper No External Net	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES YES YES YES YES	<pre>"" "" "" "" "" "" "" "" "" "" "" "" ""</pre>
Min Trace Stubs Drill/Drill Pad/Drill Plane/Drill Pad/Top Mask Pad/Dot Mask Trace/Top Mask Trace/Bot Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Top Mask Drill/Bot Mask Drill/Bot Mask Missing Top Mask Missing Bot Mask Pad or Mask/Top Silk Pad or Mask/Bot Silk Missing Drill DFF Acid Traps Copper Slivers Resist Slivers Top Mask Slivers Isolated Thermals Starved Thermals Top Solder Bridge Bot Solder Bridge Pin Holes SMD Pitch SMD Spacing Layer Registration NLC Net Short Net Open No Copper	YES YES YES YES YES YES YES YES YES YES	YES YES NO YES YES YES YES YES NO NO YES YES NO NO NO NO NO YES YES YES YES YES YES YES YES YES YES	<pre>"" "" "" "" "" "" "" "" "" "" "" "" ""</pre>

Copper Area	YES	YES	
Query	YES	YES	
Item	YES	YES	
Net	YES	YES	
User Data	YES	YES	
Highlights	YES	NO	CAM350 could not control the highlighting, it was fixed to various functions.
Measure	YES	YES	
Point-to-Point	YES	YES	
Edge-to-Edge	YES	YES	
Center-to-Center	YES	YES	
Copper Area	YES	YES	
Extents	YES	YES	
Options	YES	YES	
Grid Setup	YES	YES	
Ortho Line Snap	YES	YES	
Arc 360	YES	YES	
Units/Precision	YES	YES	
Configure	YES	YES	
Customize Toolbar	YES	YES	CAM350 version 8.0 now supports toolbars.
Macro	YES	YES	
Run	YES	YES	
Load	YES	YES	
Developer	YES	YES	
Record	YES	YES	
Tools	YES	YES	
Panelize	YES	YES	
Advanced	YES	YES	CAM350 forces users in to a separate editor, making the tool more complex to learn.
Flatten	YES	YES	
Simple	YES	YES	CAM350 offers this with the Fast Array Editor, again a separate editor environment.
Netlist	YES	YES	
Generate	YES	YES	
Save	YES	YES	
Apply External Nets	YES	YES	
DRC	YES	YES	
Solder Mask	YES	NO	CAM350 has no Automated method for generating or optimizing Solder Mask layers.
Generate	YES	NO	
Optimize	YES	NO	
Paste Mask	YES	NO	CAM350 has no Automated method for generation of optimizing Paste Mask layers.
Generate	YES	NO	
Optimize	YES	NO	
Snoman	YES	YES	
Teardrops	YES	YES	
Fix Silkscreen	YES	YES	
Pad Removal	YES	YES	
Isolated	YES	YES	
Stacked	YES	YES	
Drill	YES	YES	
Set Order	YES	YES	
Optimize	YES	YES	
Snow Path	YES	YES	
Mill	YES	YES	
Create	YES	YES	
Edit	YES	YES	
Properties	YES	YES	
Delete Plunge	YES	YES	
Reverse	YES	YES	
Delete Mill	YES	YES	
Tabs Display	YES	YES	
Display	YES	YES	
Plunge Offset	YES	YES	
Sequence	YES	YES YES	
Up Path	YES YES		
Color		YES YES	
Test Points	YES YES	YES	
Setup Tools	YES	YES	
Generate	YES	YES	
Add	YES	YES	
Stagger	YES	YES	
Flying Probe	YES	YES	
IPC-D-356	YES	YES	
Test Fixture	YES	YES	
Snap	YES	YES	
Save	YES	YES	
Layer Spread	YES	YES	
Convert	YES	YES	
Drawn Pads	YES	YES	
Home Plate	YES	NO	GerbTool can quickly convert to Home Plate apertures, CAM350 forced user to use customs
Arc-to-Segmented	YES	YES	
Segmented-to-Arc	YES	YES	
Gerber-to-Drill	YES	YES	
Drill-to-Gerber	YES	YES	
To Custom	YES	YES	
Raster-to-Vector	YES	YES	
Draws-to-Polylines	YES	NO	CAM350 does not require this function, contigous lines are always maintained.
Composite-to-Layer	YES	YES	
User	YES	YES	
	YES	YES	
Help			
Help Help Topics			
Help Help Topics Tip of the Day	YES	YES	CAM350's user interface did not support modern Windows features like Tip of the Day.

Competitive Matrix, CAM350 8.0 verses GerbTool 13.0

Functions	<i>CAM350</i> ™	GerbTool™	Notes:
FILE	YES	YES	
New	YES	YES	
Open Save	YES YES	YES YES	
Save As	YES	YES	
Merge	YES	YES	
Import	YES	YES	
AutoImport	YES	YES	
Gerber Data	YES	YES	
Drill Data	YES	YES	
Mill Data	YES	YES	
DXF	YES	YES	CAMORO has the shifty to lead multiple DVF databases by expanding them
Append DXF ODB++	YES	NO	CAM350 has the ability to load multiple DXF databases by appending them.
Compressed File	YES YES	YES NO	CAM350 can read a compressed ODB++ file directly.
Directory	YES	YES	
HPGL	YES	YES	
HPGL/2	YES	YES	
IPC	YES	YES	
D-356A	YES	YES	GerbTool can read 356 or 356A using the same menu option.
D-356	YES	YES	
D-350	YES	NO	CAM350 can Import IPC-D-350 files as well as exporting them.
ECAM DSN	YES	NO	This was used to support very old ECAM Family products.
Netlist	YES	YES	
Aperture Table	YES	YES	
Edit Apr Conv CAD Data	YES YES	YES NO	GerbTool does not support all CAD database imports.
Mentor	YES	NO	" "
GenCAD	YES	NO	nn
PADS	YES	YES	GerbTool recently added support for PADS ASCII in version 13.
PowerPCB	YES	YES	GerbTool recently added support for PADS ASCII in version 13.
Zuken-Redac	YES	NO	ил
TangoPRO	YES	NO	
Accel EDA P-CAD 2000	YES YES	NO NO	
Export	YES	YES	
Gerber Data	YES	YES	
Composites	YES	YES	
Drill Data	YES	YES	
Mill Data	YES	YES	
DXF ODB++	YES	YES	GerbTool recently added support for ODB++ export in version 13.
IPC-D-350	YES YES	YES YES	
Orbotech	YES	NO	CAM350 supported Orbotech Backup format through version 6.0, it is no longer supported
Netlist	YES	YES	
Aperture Table	YES	YES	
CAM350 6.0 Database	YES	NO	This is simply to provide backward compatibility for CAM350 users.
CAD Data	YES	NO	GerbTool does not support the export of CAD databases.
GenCAD PADS	YES	NO	
PADS PowerPCB 2.0	YES YES	NO NO	ии
PowerPCB 2.1	YES	NO	n n
PowerPCB 3.0	YES	NO	пп
Zuken-Redac	YES	NO	n n
TangoPRO	YES	NO	n n n n
Accel EDA P-CAD 2000	YES	NO	
P-CAD 2000	YES YES	NO YES	
Setup Printer	YES	YES	
Print Display	YES	YES	GerbTool offers a hotkey method for this function.
Print	YES	YES	
Setup	YES	YES	
Preferences	YES	YES	
Paths File Extensions	YES	YES	
File Extensions Colors	YES YES	YES YES	
Film Box	YES	YES	
Photoplotter	YES	YES	
Mill Machine	YES	YES	
Drill Machine	YES	YES	
Save Defaults	YES	YES	
Access Code	YES	YES	
dit Undo	YES	YES	
Redo	YES YES	YES YES	
Move	YES	YES	
Сору	YES	YES	
Delete	YES	YES	
Rotate	YES	YES	
Mirror	YES	YES	
Layers Add Layers	YES YES	YES YES	
Remove	YES	YES	
Reorder	YES	YES	
Align	YES	YES	
Snap Pad-to-Pad	YES	YES	
Snap Pad-to-Drill	YES	YES	
Snap Drill-to-Pad	YES	YES	
Scale Change	YES	YES	
Attributes	YES YES	YES YES	
Components	YES	YES	
Nets	YES	YES	
Ref Des	YES	NO	While GerbTool's database is intelligent, it does not expose components to the users
DeviceName	YES	NO	While GerbTool's database is intelligent, it does not expose components to the users
NetName	YES	YES	CarbTool doop not require DedOtester Physics AM050 (11) 1111 (11) (11) (11)
PadStack	YES	NO	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
	YES	YES	
Dcode Update Part Pins	YES	NO	GerbTool does not support Parts directly, information is maintained via attribute data
Update Part Pins Text	YES YES	NO YES	GerbTool does not support Parts directly, information is maintained via attribute data.

Style	YES	YES	
Style and Content	YES	YES	
Explode All	YES YES	YES NO	CAM350 had the ability to break ALL intelligent features down to raw Gerber elements.
Custom	YES	YES	
Merged Database	YES	NO	GerbTool explodes merged databases on import, this is not required.
Net PadStack	YES YES	NO NO	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
Part	YES	NO	While GerbTool's database is intelligent, it does not expose components to the users
Vector Polygon Text	YES YES	NO NO	GerbTool explodes it's Vector polygons as it places them, this is not required. CAM350 could break text down in to raw Gerber elements.
Sectorize	YES	YES	
Origin Space Origin	YES	YES	
Grid Origin	YES YES	YES NO	
Datum Coordinate	YES	NO	
Panelization Anchor Trim Using	YES YES	NO YES	This was used for the Panel Editor in CAM350 only, GerbTool does this differently. GerbTool uses the Join command to accomplish this.
Line	YES	YES	""
Circle	YES	YES	н н н н
Arc - Center Angle Arc - 3point	YES YES	YES YES	
Arc - 2point	YES	YES	и и
Line Change Chamfer	YES	YES	GerbTool uses the Join command to accomplish this.
Fillet	YES	YES	
Join Segments	YES	YES	""
Break at Vertex Segments-to-Arc	YES YES	NO YES	GerbTool does this automatically.
Move Vertex/Segment	YES	YES	
Add Vertex Delete Vertex	YES YES	YES YES	
Delete Segment	YES	YES	GerbTool delete and/or clip command will both accomplish this.
Add	YES	YES	
Flash Line	YES YES	YES YES	
Polygon	YES	YES	
Polygon Void Line	YES	NO	GerbTool supports voids within polygons on Import, but does not yet allow the user to add.
Circle	YES YES	NO NO	
Text	YES	YES	
PadStack Rectangle	YES	NO YES	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
Circle	YES	YES	
Center-Angle	YES	YES	
3point Arc	YES YES	YES YES	
Center-Angle	YES	YES	
3point 2point	YES YES	YES	
Wire	YES	PES NO	A "wire" in CAM350 was nothing more than a line with netlist intelligence.
Via Bort	YES	NO	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
Part Border	YES YES	NO NO	While GerbTool's database is intelligent, it does not expose components to the users Border outline information was used by the Panel Editor in CAM350.
View (Inclusive)	YES	YES	
Info (Inclusive)	YES	YES	
Utilities Draw-to-Custom	YES	YES	
Draw-to-Symbol	YES	NO	Coupons, title blocks, and pinning data could be converted to intelligent symbols.
Draw-to-Flash	YES	YES	
Automatic Interactive	YES YES	NO YES	CAM350 offers a fully automatic Draw-to-Flash, GerbTool has a semi-automatic.
Interactive Any Angle	YES	NO	
Polygon Conversion Draw-to-Raster	YES YES	YES NO	CAM350 could convert vector filled areas in to intelligent raster polygons.
Raster-to-Vector	YES	YES	
Netlist Extract Assign Single Point Nets	YES	YES	This feature was used purely by the Test Editors, GerbTool does not require this.
Assign Single Point Nets Pads-to-PadStacks	YES YES	NO NO	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
ClearSilkscreen	YES	YES	
Data Optimization Remove Covered Data	YES YES	YES YES	GerbTool does this with Find Duplicates command.
Remove Isolated Pads	YES	YES	
Remove Redundant Pads Teardrop	YES YES	YES YES	
Over/Under Size	YES	YES	
Panelization	YES	YES	CorbTool offers Advanced Depailmention Teoling without the second for a second se
Panel Editor Autofilm	YES YES	YES YES	GerbTool offers Advanced Panelization Tooling without the need for a separate editor.
Convert Composite	YES	YES	
Composite-to-Layer Quick Part	YES YES	NO NO	CAM350 could convert a composite and maintain the original "trace" data. While GerbTool's database is intelligent, it does not expose components to the users
Build Part	YES	NO	While GerbTool's database is intelligent, it does not expose components to the users
Camtek	YES	NO	This was an OEM feature only available to Camtek AOI customers. Not an advantage.
Analysis Acid Traps	YES YES	YES YES	CAM350 must run these checks as "stand-alone" whereas GerbTool can "batch".
Copper Slivers	YES	YES	
Mask Slivers Eind SolderBridges	YES	YES	ии пи
Find SolderBridges Find Pin Holes	YES YES	YES YES	
Plane Checks	YES	YES	
Find Starved Thermals Find Isolated Thermals	YES YES	YES YES	n n
Neg. Plane Thermal Confli		NO	GerbTool uses Graphical Net Compare to accomplish this task.
Part-to-Part Spacing	YES	NO	ии пп
Silk-to-Solder Spacing Soldermask-to-Trace Spaci	YES YES	YES YES	
DRC	YES	YES	
DRC Histogram Nets	YES YES	NO YES	CAM350 offers a Histogram; however it is very poor and rarely gets used.
Import Netlists	YES YES	YES YES	
Import IPC	YES	YES	
D-356A D-356	YES YES	YES YES	
D-350	YES	NO	It should be noted that IPC-D-350 files are not "netlist" files.
Compare Nets	YES	YES	GerbTool offered Graphical Netlist Compare before CAM350 did.

Apply Nets	YES	YES	
Check Nets	YES	YES	GerbTool layer compare will also perform a net comparison as well.
Copper Area	YES	YES	
Compare Layers	YES	YES	
Check Mill	YES	NO	CAM350 offers a full range of DFF analysis checks.
Check Drill	YES	NO	CAM350 offers a full range of DFF analysis checks.
Tools	YES	YES	
Cap Editor	YES	YES	
Flying Probe Editor	YES	YES	GerbTool support Test Fixturing without the need for a dedicated editor.
Bed-of-Nails Editor	YES	YES	GerbTool support Test Fixturing without the need for a dedicated editor.
Part Editor	YES	NO	
NC-Editor	YES	YES	GerbTool supports NC editing without the need for a dedicated editor.
Panel Editor	YES	YES	GerbTool supports Advanced Panelization without the need for a dedicated editor.
Fast Array	YES	YES	GerbTool support Basic Panelization without the need for a dedicated editor.
Tables	YES	YES	
Apertures	YES	YES	
PadStacks	YES	NO	GerbTool does not require PadStacks like CAM350 this is an advantage to GerbTool.
GenCAD Devices	YES	NO	While GerbTool's database is intelligent, it does not expose components to the users
Board Attributes	YES	YES	
Layers	YES	YES	
Composites	YES	YES	
Layer Mapping	YES	YES	
Layer Sets	YES	YES	
User	YES	YES	
Layer Stack-Up	YES	YES	GerbTool accomplishes this in Advanced Panelization.
Blind & Buried	YES	YES	
MCM	YES	NO	CAM350 could use layers tagged as foil or insulator and develop connectivity for MCM's.
NC-Tool Tables	YES	YES	
Macro	YES	YES	
Record	YES	YES	
Stop	YES	YES	
Record Comment	YES	NO	
Play	YES	YES	
Debug	YES	YES	
Assign	YES	YES	
Menu Items	YES	YES	
Function Keys	YES	YES	
Edit	YES	YES	
Setup Printer	YES	NO	This allowed CAM350 to print macro files with different settings than the graphical editor.
Absolute	YES	YES	
Relative	YES	YES	
Record Settings	YES	NO	
Clear Markers	YES	NO	
Settings	YES	YES	
Unit	YES	YES	
Text	YES	YES	
View Options	YES	YES	
Arc/Circle	YES	YES	
Help <i>(Inclusive)</i>	YES	YES	