

Router Vision for Java

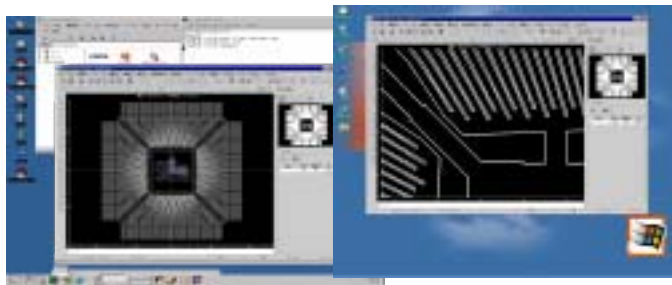


High efficient CAD/CAM system for Gerber data edit.

Stella Corporation

Stella Vision for Java is the CAD/CAM system developed newly by “Java” the new advanced language that will provide the Stella Vision series in future. It realizes Multi-plat form because of that it is developed by Java language. Of course you can make the most of this on Windows & UNIX. The limitation on the Hardware is solved with this; it is possible to operate on the fastest high-speed machine with big capacity any time. More ever, the realization of the user interface by the new development has improved the handling. Of course it succeed to the know-how accumulated on OS/2, so that you may use the high-level functions bearing results.

Multi Platform



Linux

Windows

Stella Vision for Java corresponds to the multi platform because that is made in the Java language. It is possible to operate on various, latest operating systems. Please experience the system by an advanced Java adoption by all means.

Corresponding OS

Windows® NT / 2000 / XP, Linux, Solaris, PC-Solaris, OS/2

CAD System

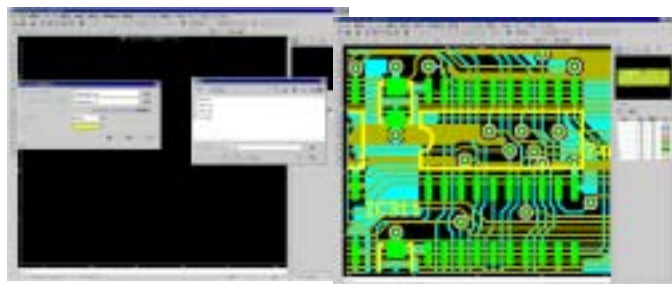


Stella Vision for Java is equipped with not only the basic drawing functions such as box, circle, flash, polyline, single arc, text, but also the additional functions like polygon & parallel line. By using the drawing system, it is possible to execute the quick data making.

Function of drawing

Polyline, Parallel lines, Bunch-line, Single line, Single arc, Drawing the circle, Box, Cbox, Polygon, Flash, Block, Freehand, Text, Dimension line drawing function.

Data Import / Export



In Stella Vision for Java, various data can be imported and exported.

Corresponding Data

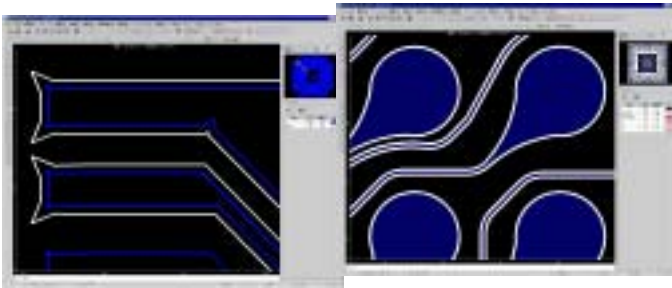
Import:

STZ (Stella Zip Format), STL, Gerber Format (RS-274D, RX-274X), DXF Format, CSI Extended Gerber, ODB++, GDS2, HIMT Structure, Bitmap, NC Program, HP-GL/2, DPF.

Export:

STZ, STL, Gerber Format (RS-274D, RX-274X), DXF Format, GDS2, HIMT Structure, DPF, NC Program

Special

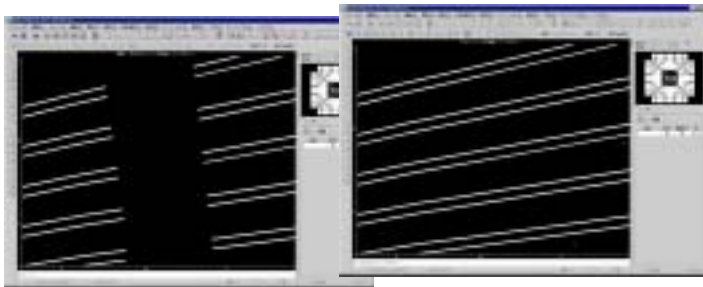


The special data plastic operation functions are equipped in Stella Vision for Java. It is possible to execute plastic operation on complex data instantaneously and accurately by using those special functions.

Function of plastic operation

Scale, Join, Delete Double Line, Offset, Distance Offset, Area Offset, Outline extraction command (PL to PR), Smoothing, Plane Operation/Inclusion, Stroke Put horn, Etching Factors, Divide polygon, Divide Arc, Change Direction, Replace to another object type, Convert into Flash, Hatching, Etching Factor, Put Horn, Get Center Point, Make QFP, Abstract net, Process scheduler which schedules various commands, and continuousness executes command.

Data Edit

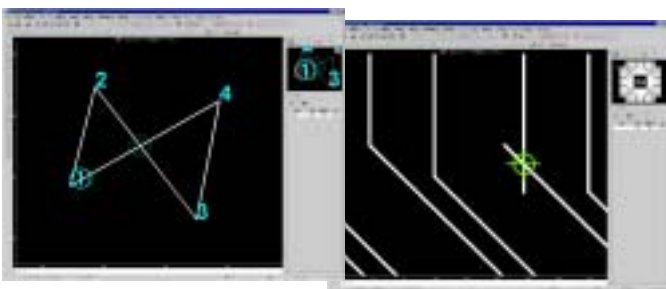


A variety of data edit functions are equipped in Stella Vision for Java. Those functions enables you to process the data as your pleases. The edit processing of complex data can be instantaneously done.

Function of Edit

Explode, Polyline vertex edit, Copy, Mirror, Rotate, Array, Trim, Stretch, Edge Extend, Change Corner Shape, Add Corner, Move Corner, The object is registered as a block, Register (Expand) Special Flash, Edit Text, Put Text, Corner processing (Fillet, Chamfer), Break, Offset, Adjust Vertex Space, Extend, Cut Vertex (Segment), Unrestricted undo, Redo etc.

Check



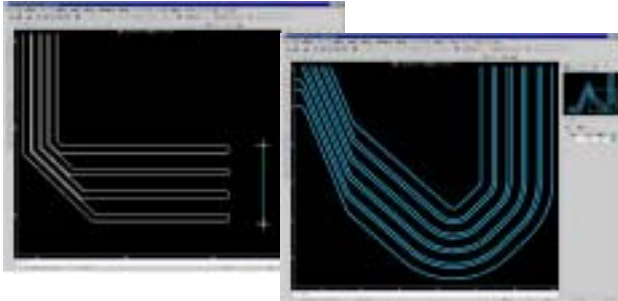
Stella Vision for Java has various check functions, and inspects data instantaneously. In addition, the accurate checking can be realized by [Sequential Pan] that displays your desired object one by one, and displaying scope window.

Function of Check

Inspection command (Object, Distance, Angle, Point, Clearance, List, Line Length, Total Area, Total Segments) Check Overlap Flash, Check Cross Polyline, Check Corner Angle, Check Needless Point, Check Small Segment, Check Direction, Show Direction, Show Sorted Number, Show Start End Point. Etc.

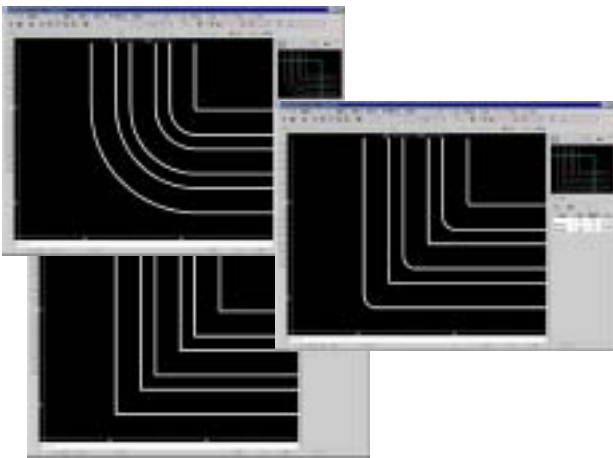
Stella Vision for JAVA is equipped with the bunch line (parallel line) drawing command, which draws the bunch line smoothly, and the pitch correcting command for the drawn bunch line after the drawing. Furthermore, Stella Vision for Java is equipped with the change corner shape of parallel line command, add or move corner of parallel line command, connect parallel line command, etc. It also has the detect clearance of segments command which inspects the width and the space of parallel line in an instant.

Paraline



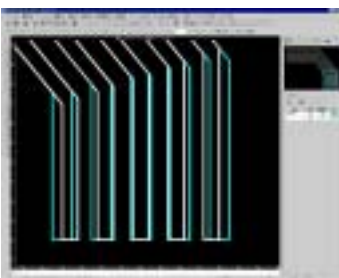
It is possible to change the distance from the baseline, the width of the bunch line, the space between the bunch lines. As the set-up by the mouse cursor is available, the foregoing change can be executed instantly by the easy operation.

Using the adjust area function, the electric resistance would be unified on each.



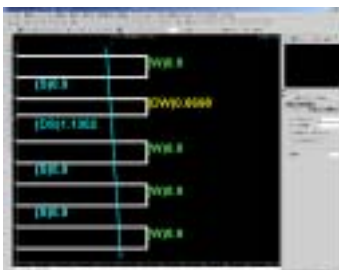
You can select the corner shape from the three types, and specify the radius of the corner part. In addition, we prepared three types (Open, Line close, Arc close) of the connecting method of edge shape

Correct Pitch



[Correct Pitch] command enables you to edit the bunch line after the drawing and it is possible to change the width, space, and pitch of the bunch lines as your wishes. The edit operation can be executed faster because you can edit the plural bunch lines at one time.

Check



[Detect Clearance Of Segments] command is used when inspecting the width and the space of bunch line. Inspection can be performed only by specifying bunch line using a mouse cursor. Moreover, it is also possible to detect simultaneously the part where the width and the interval of bunch line differ from a fiducially point, or to perform parallel inspection.

Router Vision is the CAM system which can make NC program for Router from the product external illustration. It enables you to make not only Router route automatically, but also drill data. In addition, Router Vision can execute the orthopedic operation for external object because it is equipped with Gerber edit function.



Data Import

Outline data is imported.
Correspondence data is Gerber, NC, DXF data.

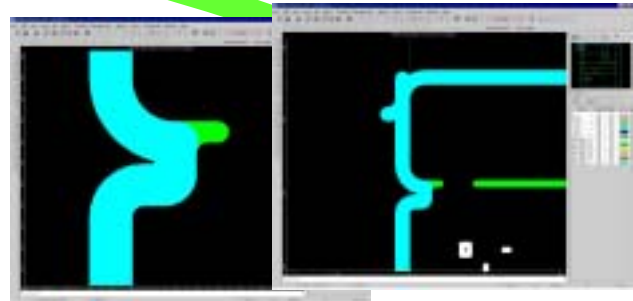


Set Router Tool

The router tool can be allocated in a rectangular inside slit or outline at the same time. And a finecut can be executed.

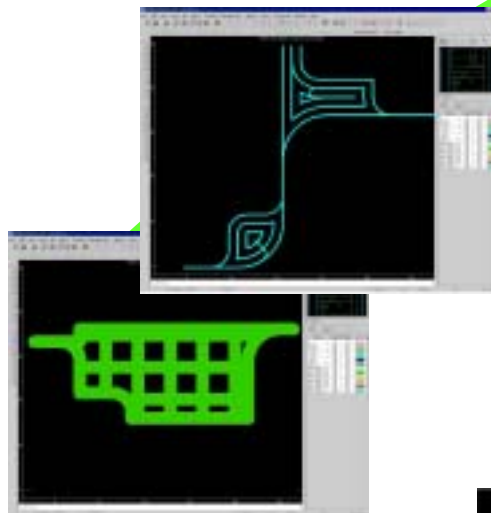
Make Router Path

The slit which exists on externals inside (the router layer is made a router route) is made a router route according to the allocation of the set router tool. And the fade In fade out (router) can be executed at the same time. The processing can be efficiently executed with the router machine.



Cross Hatch

Cuts a clipped-off portion into lattice-like small pieces so that the NC processor could vacuum them easily.



Dissolve

Clips off a hole, not at once, but gradually from the center like drawing year rings, to process unique and fine patterns.

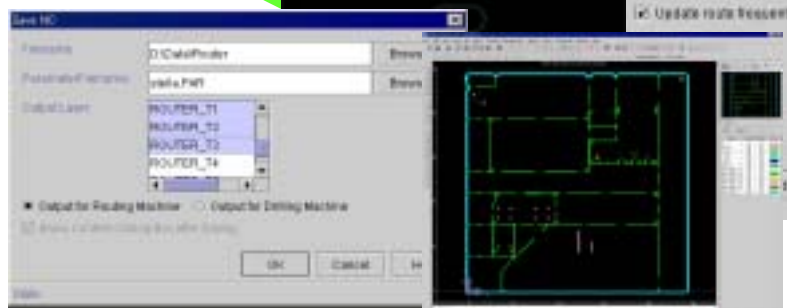
Simulation

The processing can be simulated on the screen, and the cutting order and time can be confirmed.



Export

The made router data is output as NC router data. It is also possible to confirm the processing order by the simulation.



Necessary system environment

Minimum configuration

CPU : Pentium 4 2.8GHz
Memory : 1GB
HDD : 60GB
Display : XGA 1024 × 768
OS : Multi Platform

Recommended LATEST PC configuration

CPU : Pentium 4 3GHz
Memory : 2GB
HDD : 80GB
Display : SXGA 1280 × 1024
OS : Windows®2000/XP



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