NC simulator **Siphorum** easty

Detailed drawing Smooth expansion down to macro units

High-speed operation Multi-core processor support 2.0030

Macro support Special machine support **Customizable**

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LICOM International CAD/CAM SYSTEMS CORP.

2001

GD2X1.99

High-speed calculation

Macro support



Simulation display 30 microns wide. Display down to 0.1 microns (100 nanos) is possible.

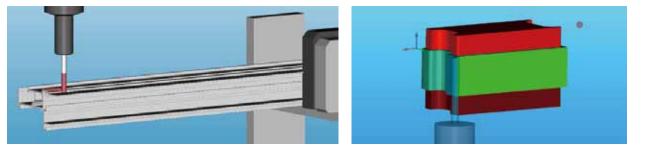


Measurement with measuring function. Result of 0.0333mm (33.3µm).

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High-speed operation with multi-core threading. High-speed calculation settings (animation OFF) are possible.

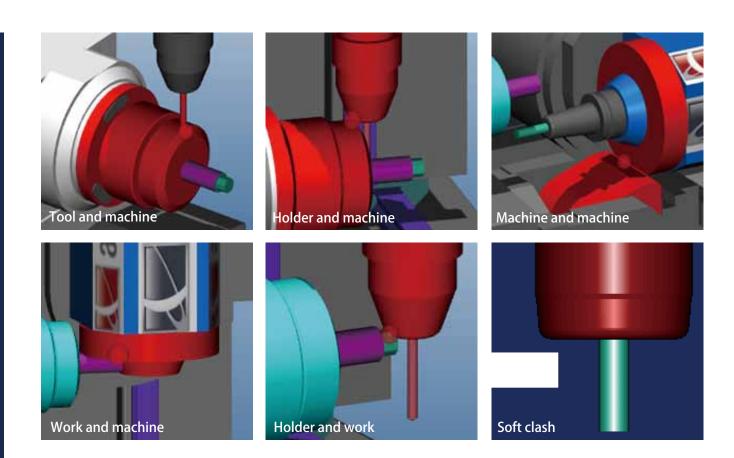
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	Macro text ca	an he converte	ed to norm	al NC progr	am	comr	non vari	able	



Support for aluminum sash processor, resin film processor, precision micro processing machines, knife cutting, corner chisels, probe, etc.



Original commands can be produced, such as labor-saving commands and dedicated commands.





Create holder and raw material interferogram. Detect tool end and length until interference position.

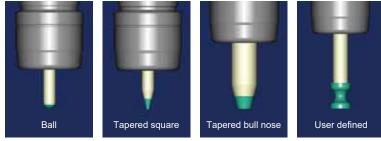
Messages	
CLASH - TOOL AND FIXTURE	
CLASH - TOOL AND FIXTURE	
CLASH - RAPID CUT CLASH - RAPID CUT	
•	-

Can detect 19 types of warnings (interference, overstroke, rapid cutting, soft clash, etc.) and 104 types of program errors and syntax mistakes, etc. (Click message text to specify program locations where mistakes occurred.)

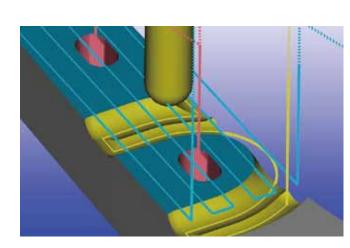
Define Taol Taol Nerbo	×	Value of volume to be remove	ed can	be set when registering tools.
1 1		plan view of cnc machine 34/302		
Profile: 2 Tel: #Tel: Del: Del: Del: Del: Del: Del: Del: D	Lief Yorks Robus	N240 X100. Y0. N250 Z21. N260 G1 Z1. N270 G3 X102.241 Y-5.023 R6.75 N280 X103.23 Y4.451 R5.5 N290 X94.53 Y0.57 R5.5 N300 X102.241 Y-5.023 R5.5 N310 X103.632 Y-1.391 R2.75	A III	Mark and message are displayed in blocks where overload occurred.
Tan Super I to Destine I Stoke June I Hale Langt II Tori falle Guelle I Record Marcollo I Super Tan Notes I Committee States I Committee S	Cher Al Devent Halas Outrand	Messages Overload Detected - Tool:2 Load:161% Overload Detected - Tool:2 Load:179% Overload Detected - Tool:2 Load:218% Overload Detected - Tool:2 Load:306% Load Meter 	^	Details of overload and real-time load meter. Tool removal volume units are mm³/min (cubic millimeters + minutes).

Message



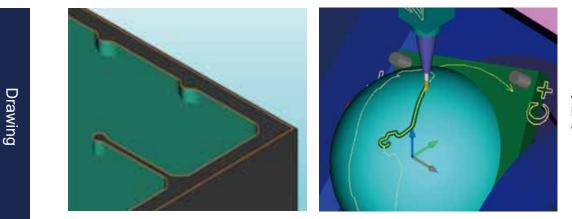


Tools can be captured from alphacam tool route and tool files. Interference is detected when shank part touches work.

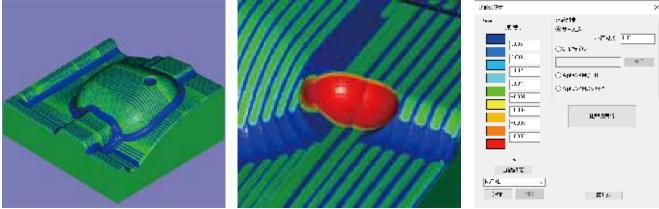


Tool trace line (locus) can be displayed. (Line thickness can be changed.) Also, tool center position can be calculated by combining trace line and measurement function.

It is possible to convert/output from trace line to data such as DXF, etc.

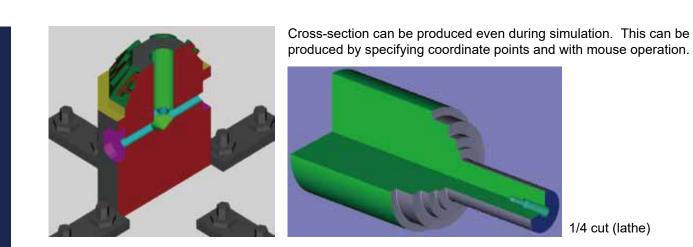


Alphacam form and polyline can be displayed as drawings.



Compare product form and processing results in all directions. Cut leftovers and over-cut parts are displayed in different colors.

Measurement function



1/4 cut (lathe)

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Measure form and distance of trace lines, etc.

2-point measurement: Display XYZ coordinate points and relative distances between 2 points.

3-point measurement: In addition to 2-point measurement, also display arc center/ radius.

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NC code system is configurable rather than fixed.

Diagnosis function

Basic functions

Simulation

Capture as solid/wire/form, speed settings, step feed (move forward/back), break point

Interference check

Interference check ON/OFF, cutting raw material in fast-forward, holder raw material collision, soft clash, stop settings at time of interference, beep sound at time of interference, holder interference length detection

Diagnosis

Coordinates (work, machine, local, remaining amount of movement), modal information, input signal, processing time, load detection, overload detection, macro variables (common memory type, common, local, nesting log, macro input/output)

Manual movement

Manual absolute ON/OFF

Precision settings

Display precision, arc interpolation, linear interpolation, axis of revolution, straight line + axis of revolution

Display performance

Display settings

Internal drawing/separate screen drawing, colorcoding of machining tools, color settings (parts holder background), transparency settings, holder hiding,

display ON/OFF during fixture execution, multi-window/multi-view display, tool tracking display function/screenshot

Tool display

Surface/wire, tool/work movement

•Cross-section display

Vertical, horizontal, arbitrary direction

Viewpoint movement

Move, zoom and pan in any direction during simulation, and viewpoint rotation with tool end

•Transparency modification

Work, tool, holder, jig

Verification functions

Trace function

Playback function, trace line function (cutting feed, fast-forward, tool vector)

Search

Tool display from NC block, NC block search using trace line pick

NC data editing

1-line editing (delete change insertion), NC data editor startup and transmission

Measurement

Coordinates, distance between 2 points, arc radius center coordinates from 3 points

Precision comparison

Arbitrary direction/perpendicular direction, incremental solid generation, cut leftover solid display, interference solid display, reference line (2D form) display for edge comparison

Report

File output of macro variable contents specified during simulation

•Output of simulation results STL output

OSP

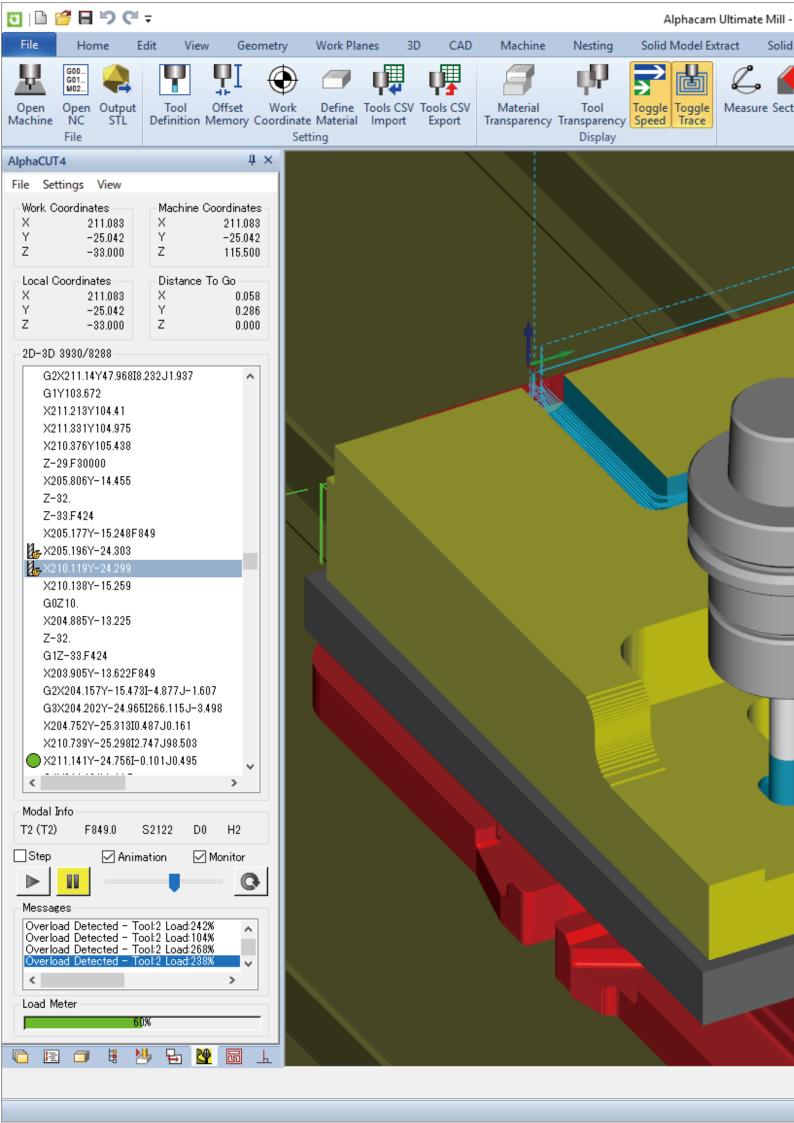
- OSP mnemonic Coordinate calculation part
- OSP system parameters Partial

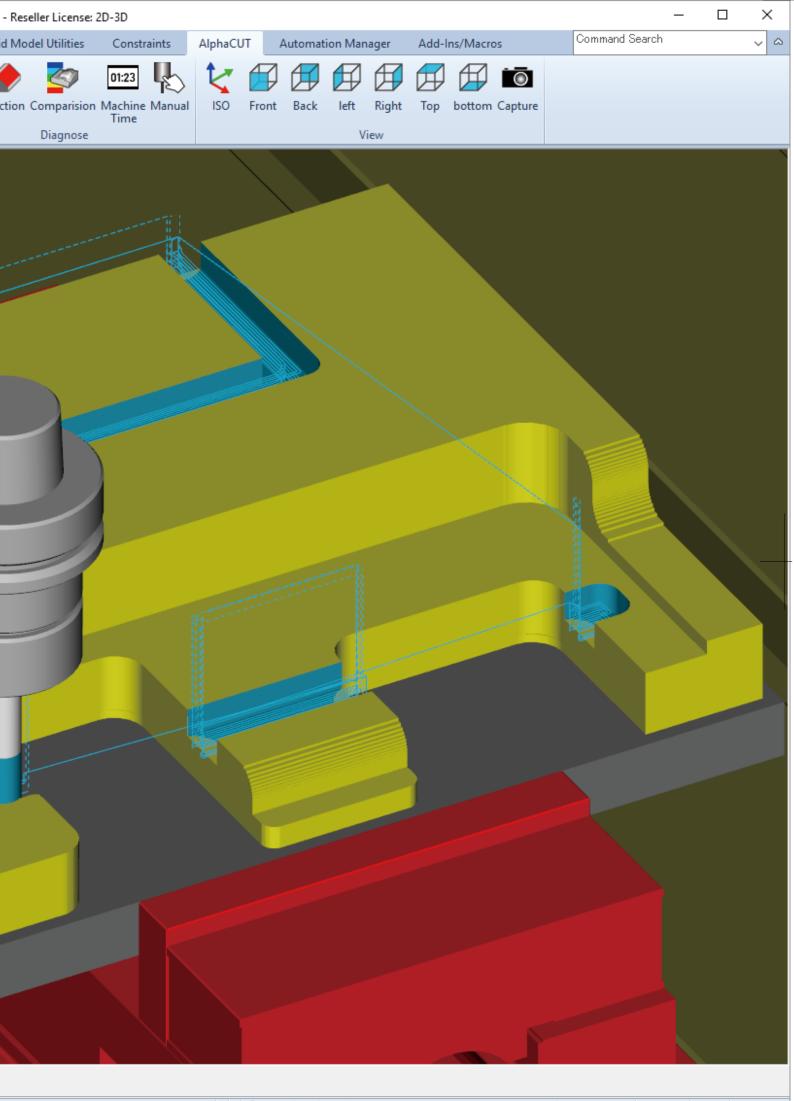
Development

• Create special machine settings Aluminum sash processor, resin film processor, precision micro processing machines, corner chisels, etc.

Create customized commands

Labor-saving commands, dedicated commands, etc.





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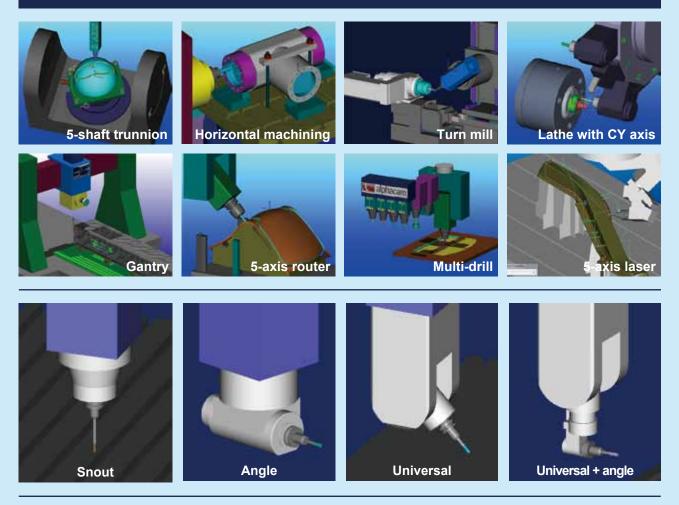
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Supported machine configurations





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Product details and specifications, etc. are subject to change without prior notice.

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