



S2M Center 2011 R2

Cab-2-Nest

S2M Standard

S2M Advanced

S2M Ultimate

MACHINE TYPES

Nested Based Routers (Sheet and Part Processing)	•	•	•	•
CNC Part Processing Machines (Part Processing Only)	•	•	•	•
Manual Saws	•	•	•	•
NC Saws	•	•	•	•
NC Drill and Dowel Insertion	•	•	•	•
Automated Fence Systems (Chop Saws)	•	•	•	•
Other Machines (Haunching Systems)	•	•	•	•

INPUT TYPES

Custom Layered DXF's	•	•	•	•
Single DXF Import	•	•	•	•
Direct from Cabinet Vision Solid	•	•	•	•
Direct from Cabnetware	•	•	•	•
Import Planit NC File (.PNC)	•	•	•	•
Open Planit NC File (.PNC)	•	•	•	•
Batch Process DXF's	•	•	•	•

OUTPUT TYPES

Pure G-Code Custom Tailored for your Machine	•	•	•	•
DXF	•	•	•	•
Extended ASCII	•	•	•	•
CPOUT	•	•	•	•
PTX	•	•	•	•
Many Other Proprietary File Types	•	•	•	•
Planit NC File (.PNC)	•	•	•	•

GENERAL FEATURES

Manually Add Parts to Part List	•	•	•	•
Manually Select Parts in Part List	•	•	•	•
Specify Output Directories	•	•	•	•
Integrated Label Reports (Customizable via Crystal Reports)	•	•	•	•
Integrated Reporting (Customizable via Crystal Reports)	•	•	•	•
Compensate for Edgbanders with Pre-Mill Stations	•	•	•	•
Posts/Links to ALL Major CNC Machines	•	•	•	•
Network Version	•	•	•	•
Simultaneous Code Generation & Output for Multiple Machine Types	•	•	•	•
Multiple Machine Selection	•	•	•	•
Save Current Part List	•	•	•	•
Import Multiple Part Lists to Batch Jobs	•	•	•	•
Cabinet, Part, Material Filtering	•	•	•	•
Create and Modify Toolsets	•	•	•	•
Advanced Tool Set Logic	•	•	•	•
Pocketing for MDF Slats & Shaker Doors	•	•	•	•
Part Library	•	•	•	•
Copy Part in Part List	•	•	•	•
Control Feeds and Speeds of Tools by Material	•	•	•	•
Control Maximum Depth Per Pass of Tools by Material	•	•	•	•

PANEL AND NC PANEL OPTIMIZER FEATURES

Check Sheet Sizes to Fit Machine	•	•	•	•
Pattern Diagram Print Outs	•	•	•	•
Grain Matching	•	•	•	•
Optimization Off-Fall Tracking	•	•	•	•
Modify Optimization Properties After Optimization	•	•	•	•
Re-Optimize a Single Material	•	•	•	•
Cost and Time Report	•	•	•	•

SCREEN TO MACHINE PARTS FEATURES

Automatic Tooling and Toolpath Generation	•	•	•	•
Pocketing of Rectangles and Circles	•	•	•	•
Display All Machning	•	•	•	•
Basic Toolpath Simulation	•	•	•	•



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Saw Tool				
Shaped Router		•	•	•
Automatic Point-to-Point Runfield Control			•	•
Automatic Point-to-Point Mirroring			•	•
Allow user to control the order of operations			•	•
Create and Modify Toolsets			•	•
Dovetail Toolset			•	•
ABC Axis Rotation				•
User Defined DXF Layer Schedules				•
BLOCK AND TRUESHAPE NESTING FEATURES				
Check Sheet Sizes to Fit Machine	•	•	•	•
Ability to Control Lead-In/Out Offsets	•	•	•	•
Combine Operations on Part Edge with Part Outline	•	•	•	•
Linked Part Outline (Bridge) Nesting	•	•	•	•
Intelligent Small Part Handling (Tabs, Onionskins, Return Onionskins)	•	•	•	•
Pattern Diagram Print Outs	•	•	•	•
Display All Machning	•	•	•	•
Basic Toolpath Simulation	•	•	•	•
Grain Matching	•	•	•	•
Optimize Gang Drill Operations			•	•
Add Parts to the Nest			•	•
Drag and Drop Nest Parts			•	•
Manually Rotate a Part in a Nest			•	•
Manually Flip a Part Over in a Nest			•	•
Cut, Copy, & Paste Parts in a Nest			•	•
Move Parts in a Nest			•	•
Specify Outline Tools Per Material			•	•
Nest By Cabinet Order			•	•
Re-Nest / Add Parts from Library to Existing Nested Sheet(s)			•	•
6th Face Nesting				•
Common Line Cutting				•
Square Up Off-Cuts in Nest				•
Nesting Off-Fall Tracking				•
Mutliple Sheet Size Definition for a Single Material				•
Automatically Use Larger Sheet Sizes for Oversized Parts				•
LABEL-IT and RT LABEL IMAGE FEATURES				
Export Real Time Label Info to NC Saws		RTL	RTL	RTL
Show Label Position on Nested/Optimized Sheet		•	•	•
Labels For On-Board Nest Machine Label Systems			RTL	RTL
2D Bar Code Definition			•	•
Generate Labels for Saw Off-Cuts			•	•
Generate Labels for Nest Off-Cuts			•	•
ADDITIONAL FEATURES FOR ALPHACAM STANDARD or HIGHER USERS				
Advanced Toolpath Simulation				•
Use S2M Center Tools within Alphacam				•
Full Modification Capability of S2M Center Toolpaths				•
Save Alphacam Operations to the Part Library				•
Output Native AlphaCAM Operation Cluster				•
Ball Router				•
Bullnose Router				•
Import AlphaCAM Tools				•
ADD-ON MODULES				
Panel Optimizer		A	A	A
NC Panel Optimizer		A	A	A
Screen To Machine Parts (Part Machining Output for CNC Routers and Point-To-Points)	INC	A	A	A
Block Nesting	INC	A	A	A
TrueShape Nesting		A	A	A
Label-IT		A	A	A



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Real-Time Label Image

A

A

A

A = Available

INC = Included

RTL = Included With Realtime Label Image