

s2m center

Version 10.0

S2M Optimizer

S2M Essential

S2M Standard

S2M Advanced

S2M Ultimate

MACHINE TYPES

Manual Saws	•	CELL	CELL	OPT	OPT
NC Saws	NC	CELL	CELL	OPTNC	OPTNC
Nested Based Routers (Sheet and Part Processing)		NBM	NBM	NBM	NBM
CNC Part Processing Machines (Part processing only)		•	•	•	•
NC Drill and Dowel Insertion					•
Automated Fence Systems (Chop Saws)					•
Other Machines (Haunching Systems)					•

INPUT TYPES

Direct from Cabinet Vision Solid		•	•	•	•
Direct from Cabnetware		•	•	•	•
Custom Layered DXF's		•	•	•	•
Single DXF Import		•	•	•	•
Import Blum Dynaplan BXF Files			•	•	•
Batch Process DXF's			•	•	•
Import from a list of DXF Files			•	•	•
Import Planit NC File (.PNC)				•	•
Open Planit NC File (.PNC)	•			•	•

OUTPUT TYPES

Pure G-Code Custom Tailored for your Machine		•	•	•	•
Output to most NC Panel Saws	NC	CELL	CELL	•	•
Links to 3rd Party Optimizers (cut list)			CELL	•	•
Output to most 3rd Party CAM Applications			•	•	•
Save and Export Planit NC File (.PNC)	•			•	•

GENERAL FEATURES

Manually Add Parts to Part List	•	•	•	•	•
Manually Select Parts in Part List	•	•	•	•	•
Specify Output Directories	NC	•	•	•	•
Integrated Label Reports	•	•	•	•	•
Integrated Reporting	•	•	•	•	•
Compensate for Edgebanders with Pre-Mill Stations	•	•	•	•	•
Access Material Catalog	•	•	•	•	•
Edit Part Banding	•	•	•	•	•
Save Alphacam Drawing File		•	•	•	•
Package Utility			•	•	•
Links to 3rd Party CAM (non-Intelli-CAM)			•	•	•
Edit Part Shapes			•	•	•
Add Operations to Parts			•	•	•
Network Version			•	•	•
Choose from Multiple NC Links	NC		•	•	•
Edit Tool, Trim, and Optimization Properties By Material			•	•	•
Automatically Add Miter Operations			•	•	•
Create and Modify Toolsets		MDF	MDF	•	•
Advanced Tool Set Logic		MDF	MDF	•	•
Pocketing for MDF Slats & Shaker Doors		MDF	MDF	•	•
Multiple Primary and/or Secondary Machines				•	•
Import Multiple Part Lists to Batch Jobs	•			•	•
Cabinet, Part, Material Filtering				•	•
Pocket Waste				•	•
Part Library				•	•

s2m center

Version 10.0

	S2M Optimizer	S2M Essential	S2M Standard	S2M Advanced	S2M Ultimate
Copy Part in Part List				•	•
Save and Open Nested/Optimized "Ready for Output" Job State	•			•	•
Route Outline Only Of Through Holes				•	•
Specify Lead Type Per Part				•	•
Custom Reports				•	•
Define and Utilize Machine Sets					•
Define Workflows with Machine Sets					•
Advanced Tool Strategies					•
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	•	•	•	•	•
Recognizes Grain Match Input			•	•	•
Offcut Manager				•	•
Optimization Off-Fall Tracking				•	•
Modify Optimization Properties After Optimization				•	•
Re-Optimize a Single Material				•	•
Link to Material Handling Systems				OPTNC	OPTNC
Cost and Time Report				OPTNC	OPTNC
Multiple Sheet Size Definition for a Single Material					•
Automatically Use Larger Sheet Sizes for Oversized Parts					•
SCREEN TO MACHINE PARTS FEATURES					
Automatic Tooling and Toolpath Generation		•	•	•	•
Pocketing of Rectangles and Circles		•	•	•	•
Display All Machning		•	•	•	•
Basic Toolpath Simulation		•	•	•	•
Automatic Point-to-Point Runfield Control		CELL	•	•	•
Automatic Point-to-Point Mirroring		CELL	•	•	•
Shaped Router			•	•	•
Saw Tool			•	•	•
V-Bit Tool			•	•	•
Allow user to control the order of operations				•	•
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		•	•	•	•
Recognizes Grain Match Input			•	•	•
Optimize Gang Drill Operations			•	•	•
First Pass Offset (onion skin)			•	•	•
Add Parts to the Nest				•	•
Drag and Drop Nest Parts				•	•
Manually Rotate a Part in A Nest				•	•

s2m center

Version 10.0

	S2M Optimizer	S2M Essential	S2M Standard	S2M Advanced	S2M Ultimate
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)				•	•
Offcut Manager					•
Link to Material Handling Systems					•
Square Up Off-Cuts in Nest					•
Nesting Off-Fall Tracking					•
6th Face Nesting		TSN	TSN	TSN	•
Common Line Cutting					•
Mutliple Sheet Size Definition for a Single Material					•
Automatically Use Larger Sheet Sizes for Oversized Parts					•
LABEL-IT and RT LABEL IMAGE FEATURES					
Design Labels		•	•	•	•
Export Real Time Label Info to NC Saws		•	•	•	•
Show Label Position on Nested/Optimized Sheet		•	•	•	•
Labels For On-Board Nest Machine Label Systems		•	•	•	•
2D Bar Code Definition		•	•	•	•
Generate Labels for Saw Off-Cuts (Optimizer)				LIT	LIT
Show Part On Sheet Graphic				LIT	LIT
Generate Labels for Nest Off-Cuts (Block Nesting)					LIT
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				•	•
Edit S2M Operations within AlphaCAM				•	•
Open Job (.pnc) In AlphaCAM				•	•
ADD-ON MODULES					
Panel Optimizer	INC	C	C	OPT	OPT
NC Panel Optimizer	OPTNC	C	C	OPTNC	OPTNC
Block Nesting		C	C	NBM	NBM
TrueShape Nesting & 6th Face Nesting		TSN	TSN	TSN	NBM
Label-IT		LIT	LIT	LIT	LIT
Machining Simulation		SIM	SIM	SIM	INC
Additional Features (only available for S2M within CV)					
Dovetail Toolset			A	•	•
Send optimized sheet to drawing				•	•

Updated: March 8, 2017

Legend

A = Available

C = Choose One Only (OPT or NBM)

s2m center

Version 10.0

S2M Optimizer

S2M Essential

S2M Standard

S2M Advanced

S2M Ultimate

CELL = Requires Cell Version

INC = Included

LIT = Label-IT Add-On

MDF = MDF DoorMaker Add-On

NBM = Nesting Add-On/Version

NC = CncOutput

OPT = Requires Panel Optimizer Add-On

OPTNC = Requires NC Panel Optimizer Add-On

SIM = Machining Simulation Add-On (Machine Posts Only)

TSN = TrueShape Nesting Add-On

