

# : screen-to-machine™

Send all of your designs straight to your CNC machinery with only a few mouse clicks. It's fast, accurate and easy.

## Overview

S2M Center is the most powerful automated CAM solution in the Woodworking industry, offering Saw Optimization, Block Nesting, TrueShape Nesting, as well as output for Drill & Dowel Machines, Automated Chop Saws and Haunching Machines. S2M Center's powerful Filtering and Machine Set functionality allows output to an unlimited number of machines simultaneously, while automatically generating real time part labels, on demand part labels, pattern diagrams, tooling reports, saw time/cost estimation reports, and machine ready G-Code. This allows users to dramatically reduce material usage and labor costs by streamlining their manufacturing processes.

## Detailed Description

S2M Center is an automated CAM software system that includes all the functionality necessary to communicate the bulk of engineering data from virtually any CAD software directly to a variety of NC/CNC machinery simultaneously. Users can send parts designed in their CAD system to the S2M Center, either directly or as a batch DXF import, and the software will analyze part geometries and automate the process of selecting the proper tools, order of operations, and feeds and speeds then send the data to a wide variety of NC/CNC machinery. The schedule of parts being sent to the machinery can be filtered to send certain parts to specific machines based on numerous conditions, including type of part, operation, and material. This allows users to implement their own custom workflow utilizing the software as a single source solution for processing all of their parts.

For Nested Based Manufacturing, users can output Nested Patterns directly to CNC Machinery using our Screen-to-Machine™ technology or, alternatively, as DXF Output to a 3rd Party CAM application. For users utilizing Workcell methods, the software Includes Saw Optimization communicated directly to virtually any NC panel saw on the market and includes either communication directly to a CNC Machine or, alternatively, DXF output to a 3rd Party CAM Application. For manufacturers operating in both NBM and Workcell environments, S2M Center is the ideal solution to manage the processing of ALL parts being sent to their machinery. For users of 3rd Party CAM systems, the software allows for the output of part machining information via DXF, and other popular formats, to their 3rd Party CAM application.

## Practicality

S2M Center software is a major breakthrough in the woodworking industry for all manufacturers utilizing a CAD software program for their designs. The typical work flow for a manufacturer designing parts for machining requires them to process their parts using a separate software application for each type of machine or manually programming the tools selection, tool paths, and speeds and feeds within a standard CAM application. S2M Center drastically reduces the amount of time needed to program parts and send those parts to numerous machines.

## Impact

S2M Center brings a new level of automation to the woodworking industry, providing a single source solution for processing all parts. Now any CAD user can experience true Screen-to-Machine™ functionality, greatly reducing programming time and the opportunities for errors by streamlining the process of sending designs straight to computer controlled machinery, as opposed to using separate software applications for each type of machine.



Go from DXF import to machine ready G-Code sent to an unlimited number of NC/CNC machinery in 5 simple mouse clicks.



### S2M Center Standard

Are you ready to get started with CNC? S2M Center Standard is the ideal launch platform for the small shop getting started with CNC.

#### Key Features

- Automatic Tool Selection and Toolpath Generation
- Basic Toolpath Simulation
- Linked Part Outlines (with Nesting)
- Intelligent Small Part Handling (with Nesting)
- Pattern Diagram Printouts
- Integrated Simple Part Labels
- Integrated Reports
- Ability to Import DXF's from 3rd Party CAD Applications

### S2M Center Advanced

S2M Center Advanced is a great solution for the growing shop with CNC capabilities.

#### Top Reasons to Upgrade

- Multiple Machine Selection
- Cabinet, Part, and Material Filtering
- Part Library Functionality
- Import/Export PNC Files
- Off-Fall Tracking (with Optimization)
- Drag and Drop Nest Parts (with Nesting)
- Nest by Cabinet Order (with Nesting)

### S2M Center Ultimate

S2M Center Ultimate is the ultimate solution for the shop with high-end CNC capabilities.

#### Top Reasons to Upgrade

- Communicate with your NC Drill and Dowel Machines
- Communicate with your automated NC Chop Saw Fences
- Communicate with other NC Machines such as Haunchers
- User Defined DXF Layer Schedules
- Batch Import of DXF Files from 3rd Party CAD Applications
- Control Feeds & Speeds of Tools by Material
- Control Maximum Depth Per Pass of Tools by Material
- ABC Axis Rotation
- Square Up and Manage Nest Off-Fall (with Nesting)
- Define Multiple Sheet Sizes per Material
- Take Advantage of Alphacam's Power Directly (with Alphacam)

#### All Modules come in 3 flavors:

##### For Nested Based Manufacturing

- Allows you to output Nested Patterns utilising either DXF Output to your favourite 3rd Party CAM Application or directly to your CNC Machine using our Screen to Machine™ technology.

##### For Workcell

- Includes Saw Optimisation Communicated directly to virtually any NC panel saw on the market
- Includes either DXF Output to your favourite 3rd Party CAM Application or communicate directly to your CNC Machine using our Screen to Machine™ technology.

##### For 3rd Party CAM

- Allows you to output Part machining information via DXF, and other popular formats, to your favourite 3rd Party CAM Application.