Software Suite for CNC Metal Spinning

Siemens
Sinumerik 840DsL CNC System

“SpinCAD©”
CNC Programming Software

“SetupPRO©”
Machine Set Up Utility Screen

“ZonePRO©”
Teach-In / Playback Control

Innovative  Proven  Supported
MJC Engineering and Technology, Inc. has spent years developing SpinCAD™ with easy operator use and productivity in mind.

SpinCAD™ uses Point and Click Technology

SpinCAD™ uses icon-driven Windows format

SpinCAD™ means no prior CNC programming experience is needed!
“SpinCAD” is a user-friendly CNC software designed for metal spinning.

This presentation will give you an idea of how easy it works and is to use.

TOTAL CONTROL
- Spin Tool Selection
- Spin Pass Feedrate
- Spindle RPM
- Tool Radius/Comp
- Machine I/O's

“POINT & CLICK” TECHNOLOGY
- Simply draw the desired spin pass with a mouse.
- Add as many points as you like.
- Double-click to end the pass.

EDIT A PASS
- Click and drag any point to edit the pass.
- “SpinCAD” will show you the new tool path.
- Points can be added or deleted at any time for total pass control.
"SpinCAD" is the only CNC spinning software to offer a time-saving "Blend" feature.

To use the "Blend" feature, simply draw in the first and last passes, making sure that you use an equal set of points on each pass.
Once two passes with an equal number of points have been drawn, the “Blend” feature icon is highlighted.

Clicking on the “Blend” feature icon opens up the following window.

From here, type in the number of passes that you want to insert in between the first and last pass.

For the demo, we’ll use 5 passes.
"SpinCAD™ automatically lays in 5 more passes equally spaced apart. Notice that the pass tree to the left also shows the 5 additional passes.

Now you can select and edit each pass individually.
Double clicking on a pass opens the “Edit Move” window. This window provides you with the actual coordinate number sets for each point within a pass.

Each value can be changed by .001” of an inch in any direction.

You can insert more points, copy, paste or delete as needed.

For creating a back pass after using the “Blend” feature, simply click on the “Reverse” button and see in the next frame what happens.
The highlighted pass has now been reversed. The arrow points in the direction of the spin pass.
After you have reversed all the passes that you want to, go back and tie the ends together to make a nice, smooth forward and back spin pass.
User-selectable roller radius compensation lets you know how the roller will contact the material during the pass.

Type in the roller radius and select which side of the material the roller is contacting.
“SpinCAD” even takes care of the several machine functions that can occur during spinning.

MJC configures “SpinCAD” specifically for your machine with each I/O (Input/Output).

Each function is written to be easily understood with simple actions.
To start the spindle,
Select “Spindle” in the Action box, then click the “ON” value to start the spindle.
Now that the spin passes are done, it's time to insert the initial rapid feed pass into the material. The Rapid movement is a great time saver to move the roller to a new position when not in contact with the material.
Now, we’ll draw in the final pass. This is also a “Rapid” pass so that the roller is moved quickly back to the starting point of the next part to be spun.

And that’s it! You’ve just written a CNC spin program using “SpinCAD” software from MJC Engineering.

Remember to save your work and then click on the “G01” icon to automatically send this program to the Siemens CNC system.
SIEMENS SINUMERIK 840Dsl CNC System

The world’s most popular CNC control system used on automatic metal spinning and flow forming equipment.

Siemens 24-Month Extended Service Contract Covers Parts, Labor & Travel Expenses

Each CNC Retrofit Package is Customized for your Equipment

In-House and Field Installations Performed By Qualified MJC Personnel
“US Manufacturer of High Quality CNC Spinforming Equipment”

• “SpinCAD™” CNC Programming Software

• Metal Spinning Machinery Rebuilder & CNC Retrofitter

• CNC/PLC In-Field Installation, Service & Support

• Committed to Total Customer Service & Satisfaction

Have More Questions? Contact us today!

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