ENGINEERING AND TECHNOLOGY, INC.

Software Suite for CNC Metal Forming

SpinCAD™ 4.0	SetupPRO©	ZonePRO©	DataPRO©
CNC Programming Software	Machine Set Up Utility Screen	Teach-In / Playback Control	Record and Live Graph Utility

Innovative ***Supported*** ***Proven*** ***Customized***

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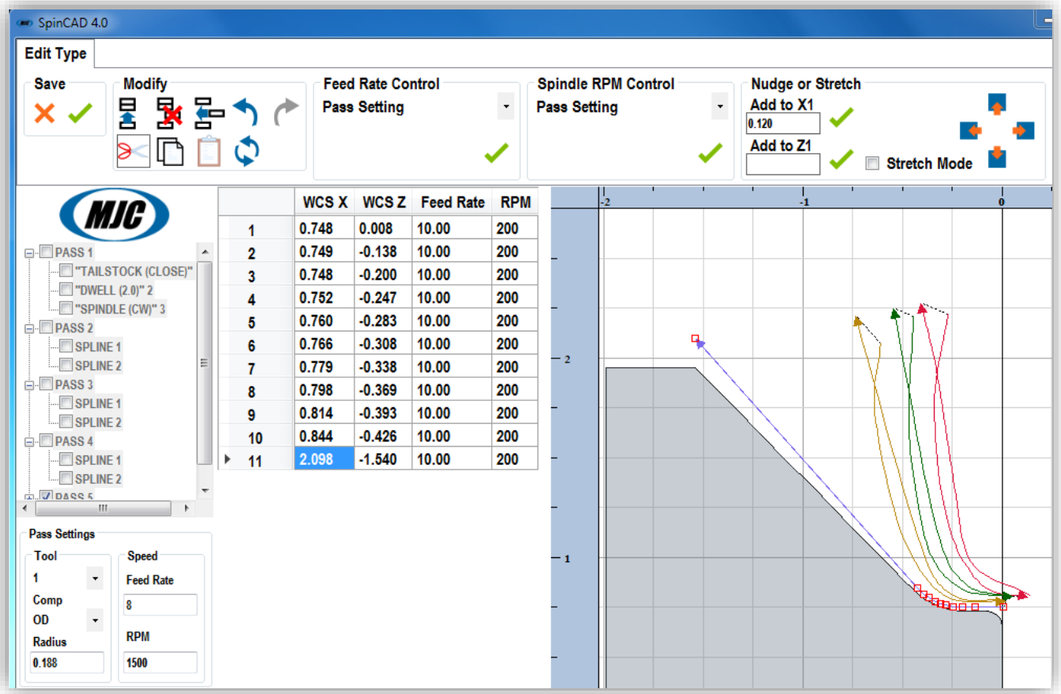
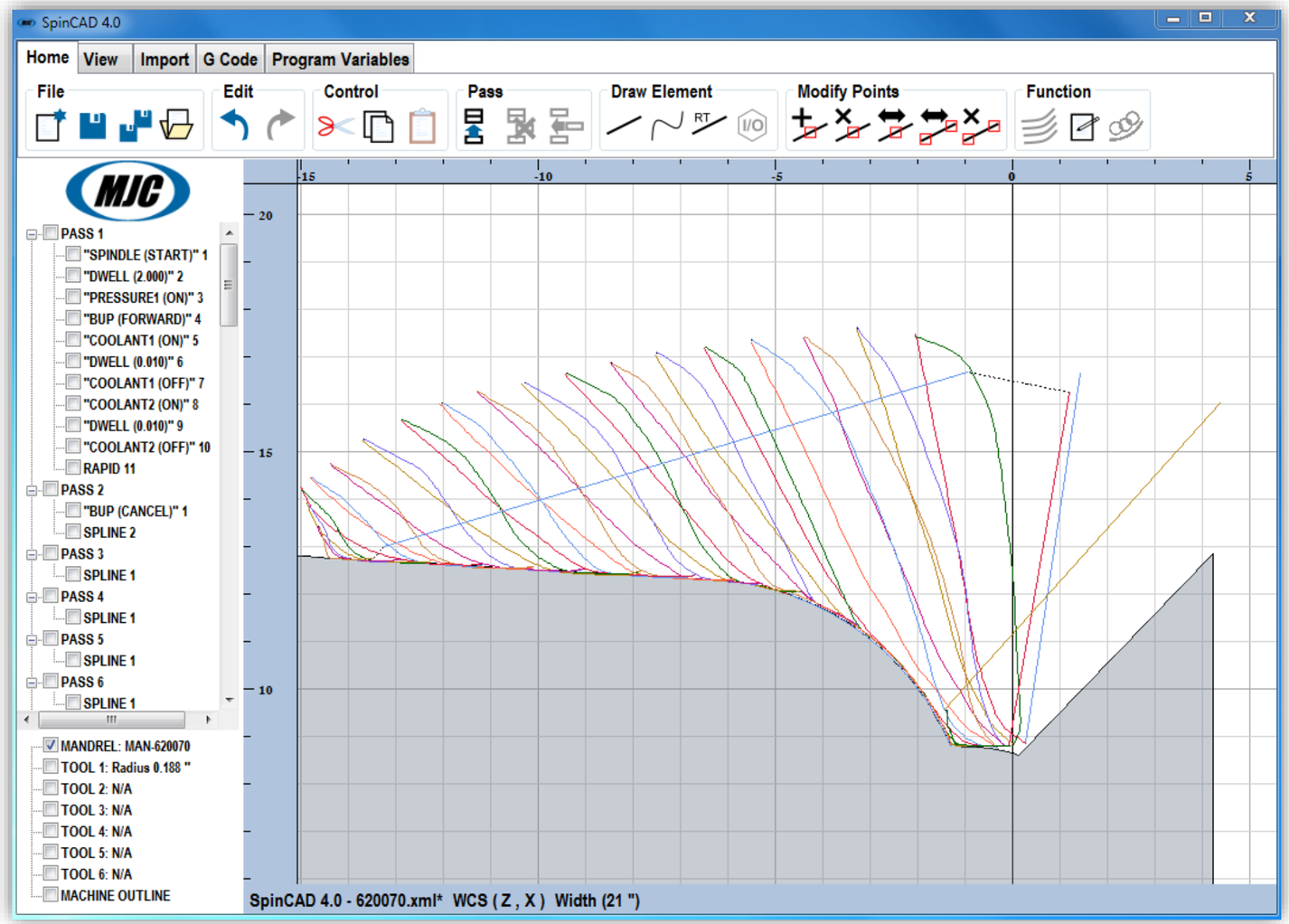
SpinCAD™
CNC Programming Software

Basic Features:

- **Icon driven Microsoft Office format**
- **No prior CNC programming experience needed**
- **Live preview of changes**
- **Very customizable**





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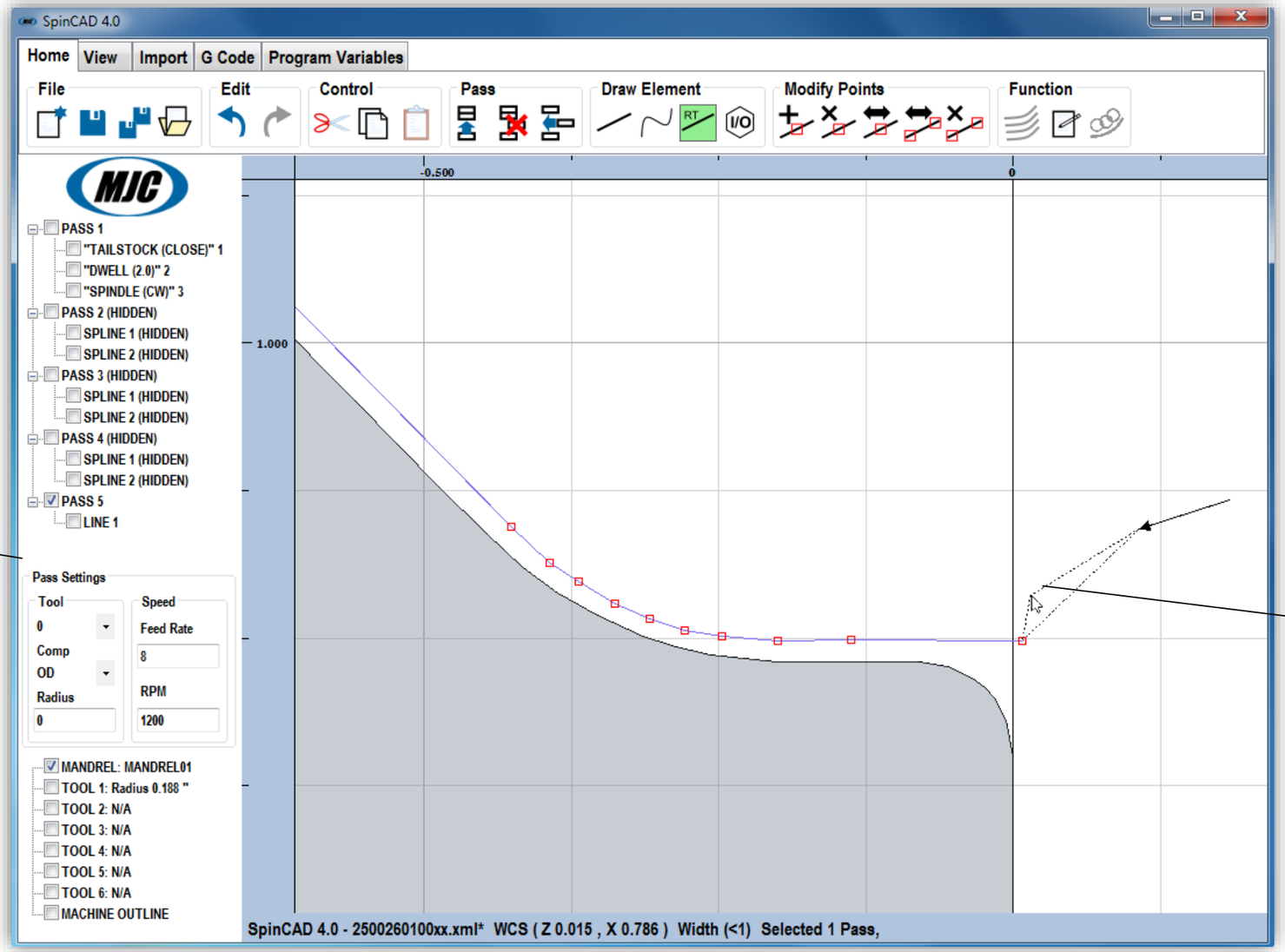
SpinCAD 4.0™ Features & Demonstration

SpinCAD 4.0™ is a user friendly CNC software designed for metal spinning.

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

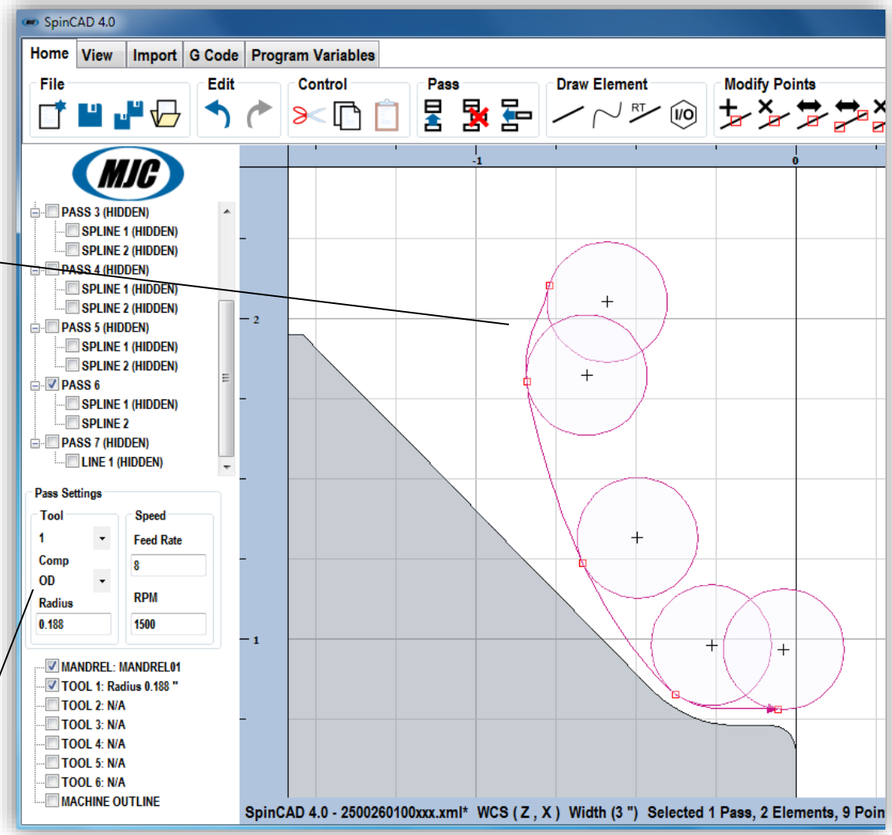


- Spin Tool Selection
- Spin Pass Feedrate
- Spindle RPM
- Tool Radius/Comp

- Click and drag any point to edit the pass with a live preview.
- Points can be added or deleted at any time.

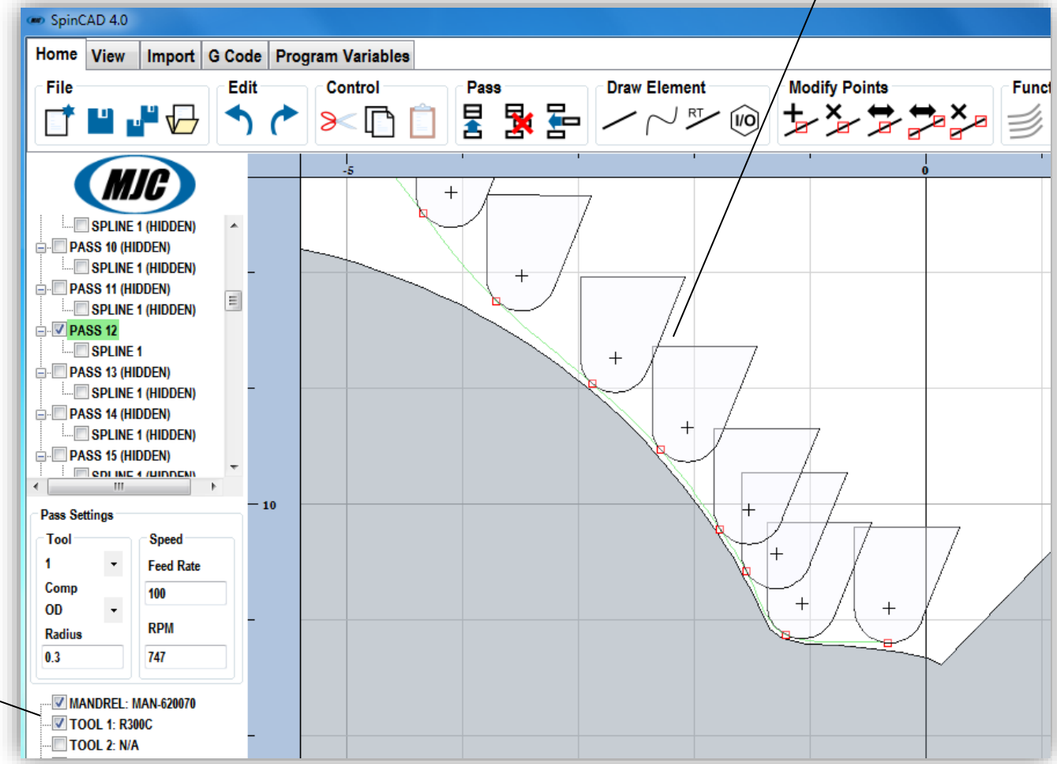
SpinCAD 4.0™
Rollers and Compensation

User-selectable roller radius compensation shows 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: ID or OD.

SpinCAD 4.0™ can import roller .dxf files to accurately reflect the roller geometry and contact points in each pass.



The filename of the imported roller is displayed in Tool 1's name.

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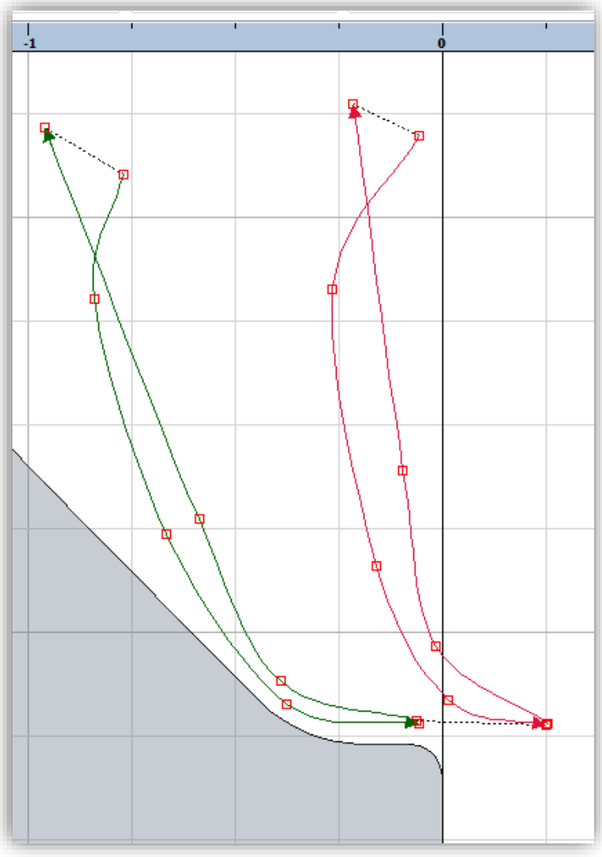
SpinCAD 4.0™ Blend Feature

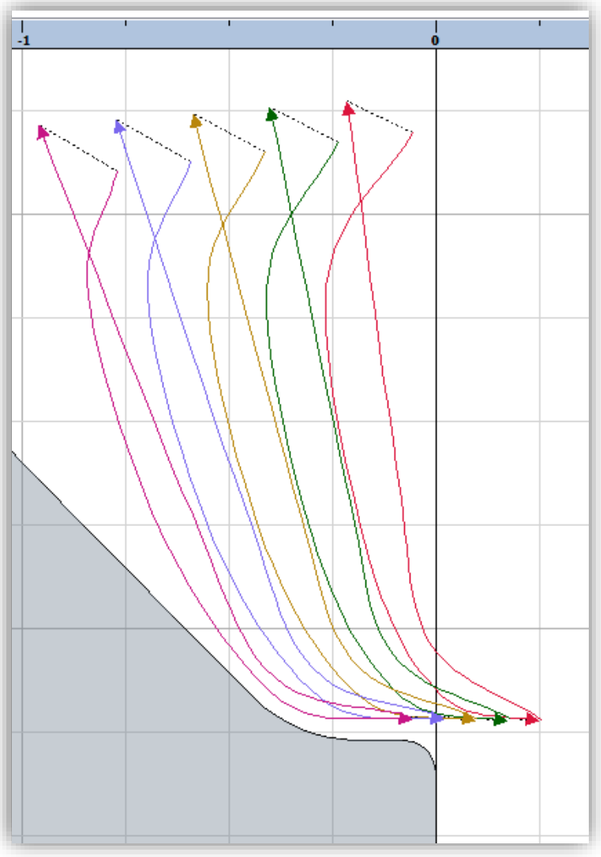
SpinCAD 4.0™ is the only CNC spinning software to offer a time-saving “Blend” feature.

“Blend” will automatically insert a configurable amount of passes equally spaced apart.

Before



After



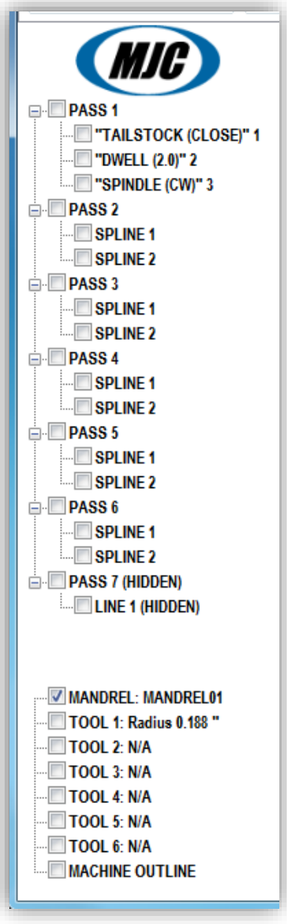
Original

Blend

Blend

Blend

Original



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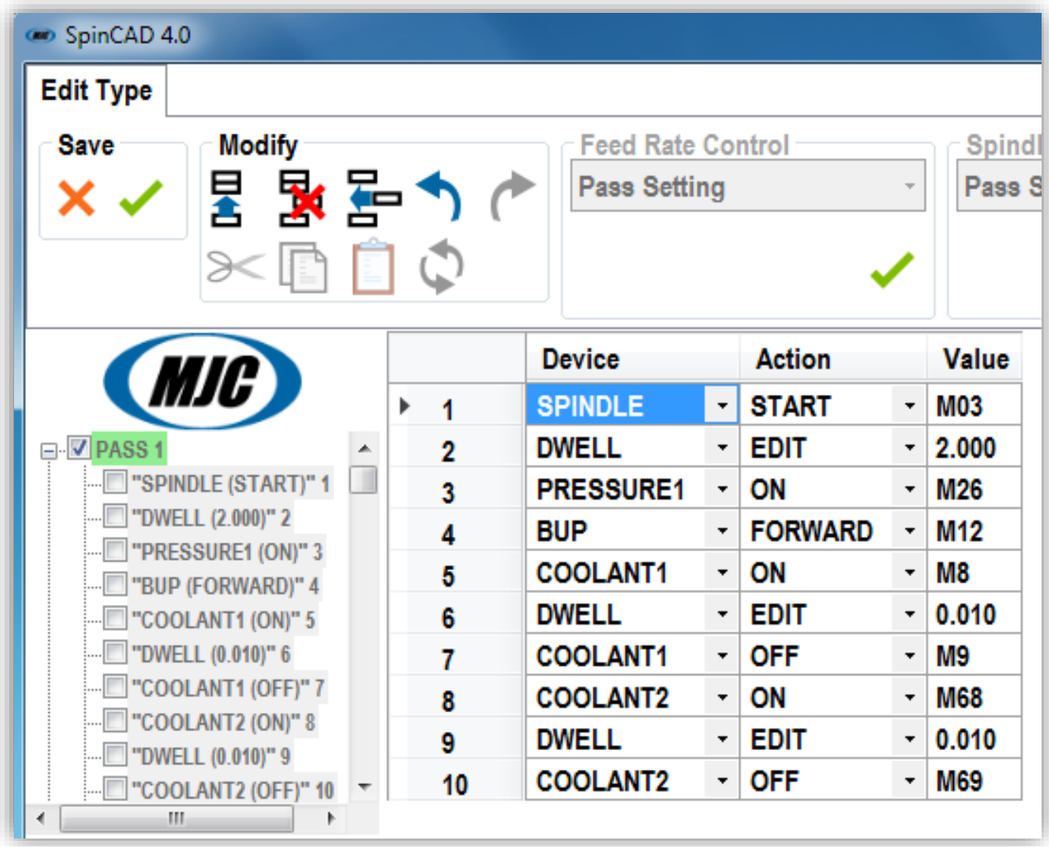
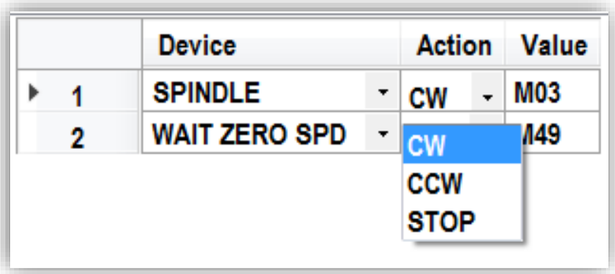
SpinCAD 4.0™ I/O Actions

MJC configures **SpinCAD 4.0™** specifically for your machine with each I/O (Input/Output).

Each function is written to be easily understood with simple actions i.e. “{who} is doing {what}”.



I/O actions can have any number of “Devices” and each can have any number of “Actions”.



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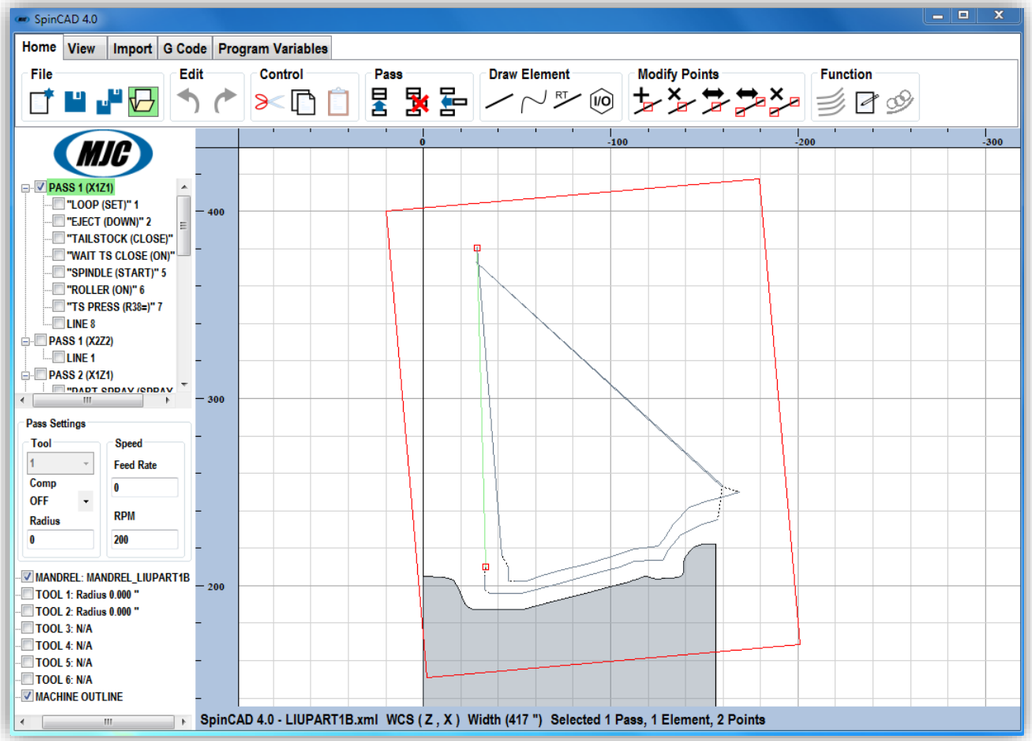
SpinCAD 4.0™
Features & Demonstration

SpinCAD 4.0™ has a new feature “Machine outline”

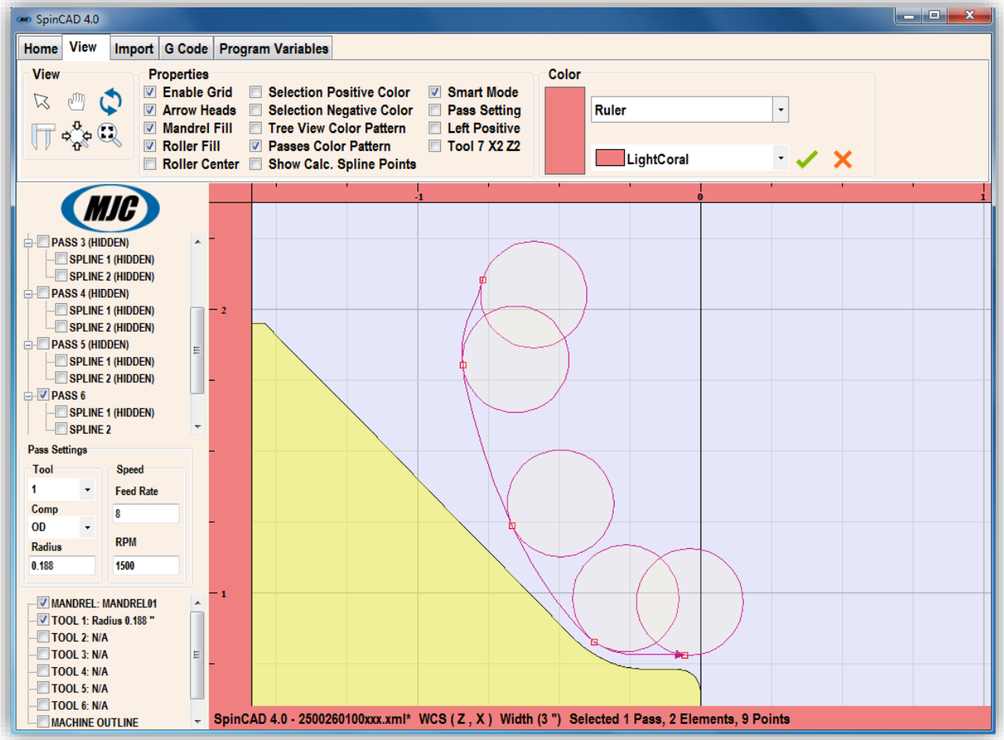
It shows the angle and limits of a slide based on actual stroke and tool used.

No guesswork, if a pass violates the travel limits, you will see it.



SpinCAD 4.0™ can be customize with colors of your likings.

You can also change the screen direction from negative to positive.



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SpinCAD 4.0™
Multiple Axis Support 1/2

SpinCAD 4.0™ generates G Code for:

2 axis spinning machine

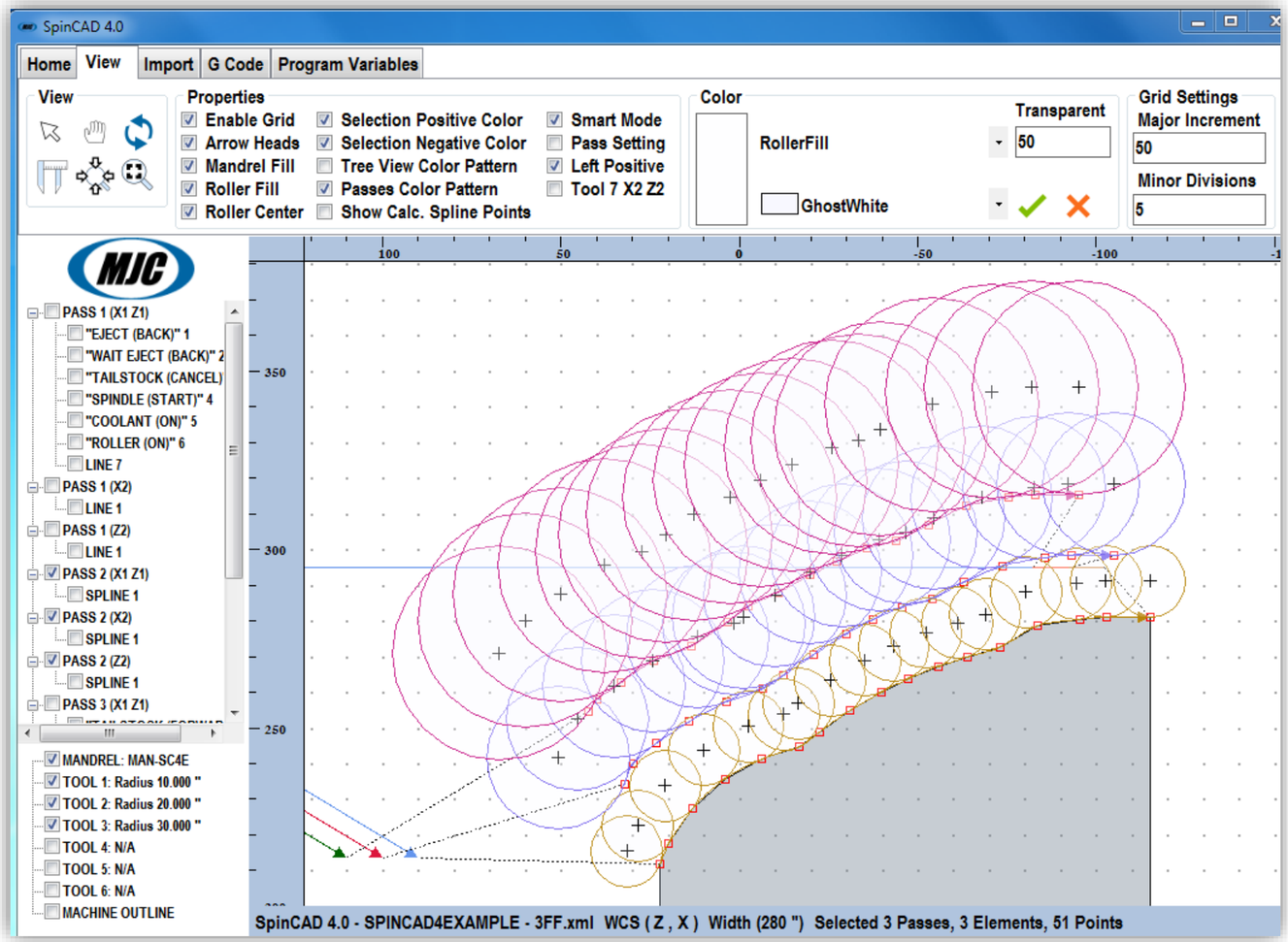
4 axis spinning machine

3 and 4 axis flow former

Oscillator neck and close forming machine

2 axis HAAS lathe

To the right is an example of a 3 axis flow former machine, with different roller radii on X1, X2, and X3.



Other areas of customization include:

- Transparency of roller and mandrel
- Ruler increments
- Grid size
- Grid lines or dots

View controls can:

- Pan
- Zoom to area
- Zoom to fit
- “Calipers” can measure a distance between two points

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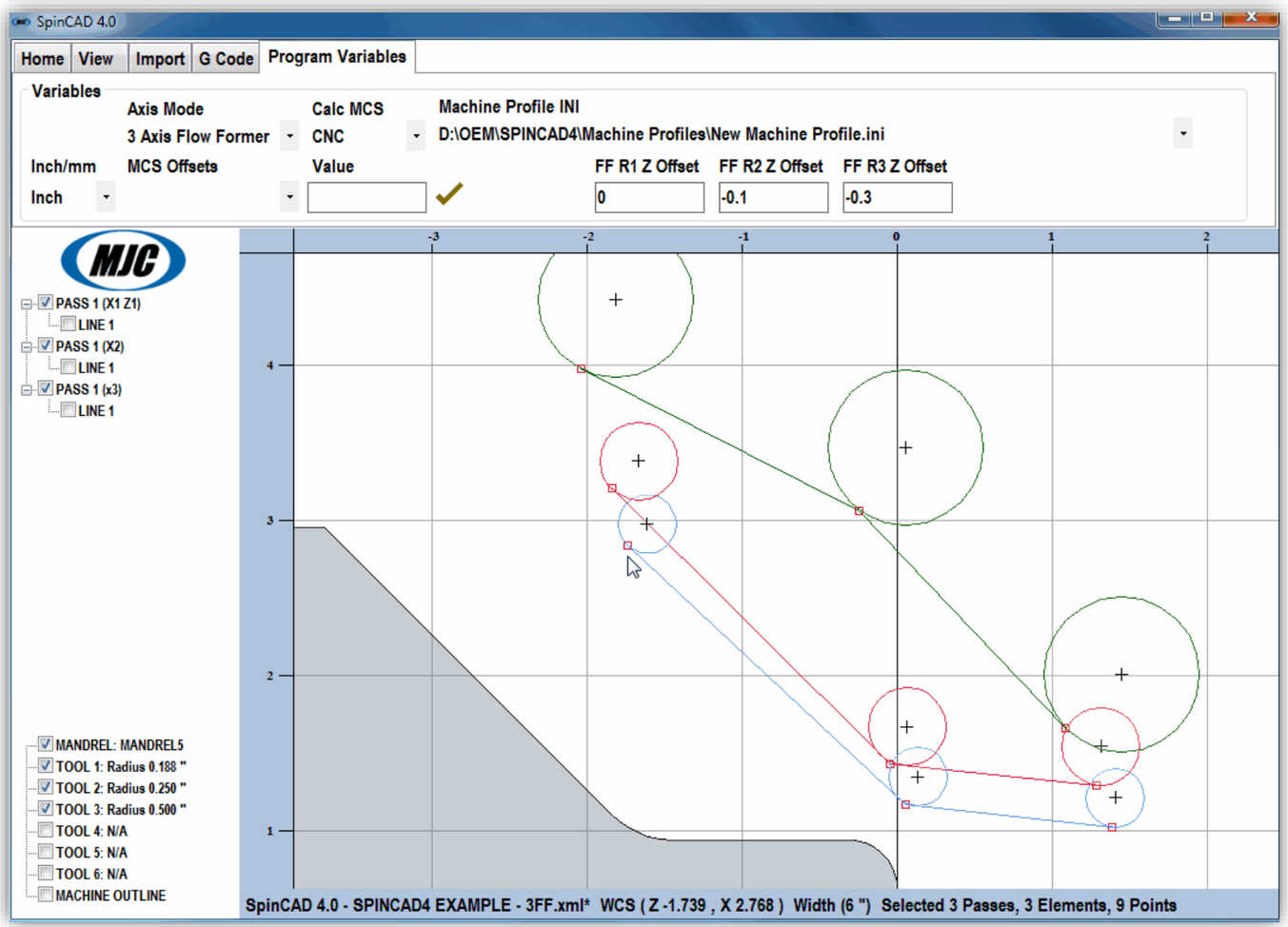
SpinCAD 4.0™
Multiple Axis Support 2/2



In this example X1 Z1 is the master axis, X2 and X3 are staggered in Z direction by a mechanical adjustment.

The X1, X2, X3 values can be individually adjusted.

X2 is shown with a 0.100” shift from Z1 and X3’s shift is 0.300”.

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SpinCAD 4.0™
Cycle Time & Simulation

SpinCAD 4.0™ can estimate the Cycle Time of a product based on:

-Movements

-Acceleration and deceleration

-Dwell times

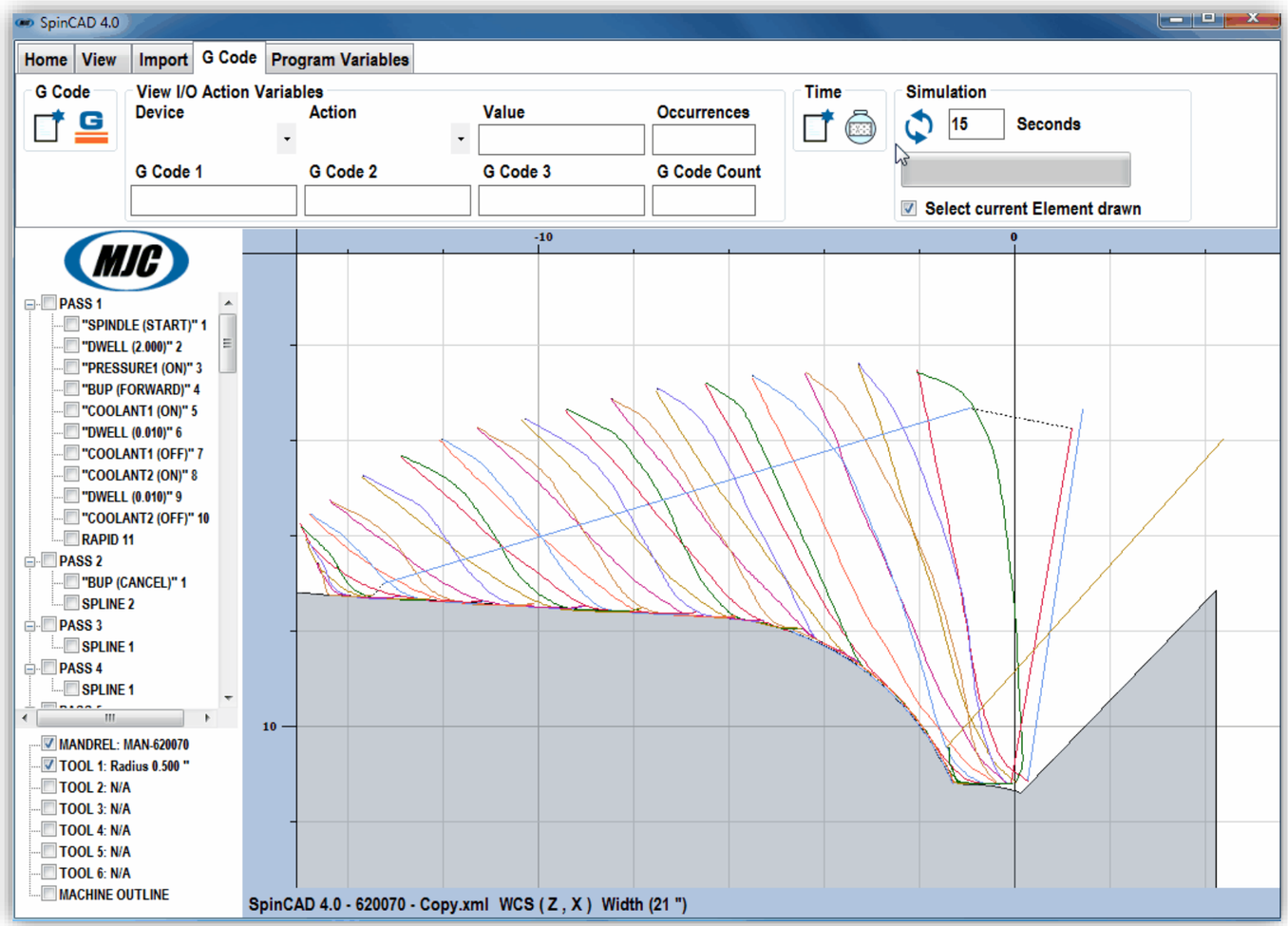
SpinCAD 4.0™ generated sample output:

Time Stamp: 10/10/2019 - 7:32:22 AM

Axis Mode: 2 AXIS

File: C:\SPINCAD4\620070.xml

EST (Estimated Cycle Time) 233.9 seconds.



"Simulation" gives you a great visual aid of the forming process.

The playback can be sped op, slowed down or stopped.

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Covers Parts, Labor & Travel Expenses

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- *CNC/PLC In-Field Installation, Service & Support*
- *Committed to Total Customer Service & Satisfaction*

Have More Questions?
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