MonsterGy6 Customs Inc.

VisualMILL® at MonsterGy6 Customs – Let's Ride!

From their shop and showroom in Alpharetta GA, an affluent suburb north of Atlanta and just south of the Chattahoochee National Forrest, MonsterGy6 Customscaters to a cult niche market with a select group of custom Gy6 scooter products and customization, including the Honda Ruckus® and Maddog®.

For the past 7 years, MonsterGy6 Customs has been custom fabricating complete conversion kits down to replacement parts, wheels, tires, exhausts and more. MonsterGy6 Customs relies heavily on VisualMILL® 2016 to get their CAM programming done right the first time and out to their CNC machines for fabrication!

This is a custom Honda Ruckus with GY6 engineconversion fully tricked out $11k bike! No effort wasted on this MonsterGy6 Custom beauty!

Currently MonsterGy6 Customs fastest selling product is their complete line of custom wheel designs. They currently manufacture and sell enough custom wheels to keep a CNC mill running 24/7!

(a)

(b)

(c)

(a) Chrome plated
Indy design.

(b) Powder coated
Mesh XS design.

(c) Chrome plated
Talladega Lights design.

In the Beginning...

Initially MonsterGy6 Customs contracted out their CNC work to local machine shops in the area. However, as the company grew they realized that both time and money could be saved by bringing the CNC work in-house. The company started out using BobCAD-CAM® but soon switched to VisualMILL® and VisualCADCAM® from Mecsoft Corporation.

"

We initially purchased BobCAD-CAM® that included a post processor for my machine's WinCNC controller... However, after a year of struggling with the product we decided to switch to VisualMILL® and VisualCADCAM® from Mecsoft Corporation. It's been a pleasure ever since!

- Steve Gold, Owner and Proprietor of MonsterGy6 Customs

3

The switch to VisualMILL®...

After watching just a few videos, Steve says they found VisualMILL® much easier to use and very intuitive. When he had questions, he says that the Mecsoft tech support was right there with answers and assistance! Steve's VisualMILL® STD configuration includes an extensive array of 2½ axis and 3 toolpath strategies, Advanced Simulation, pre-defined Tool Libraries, Knowledge Base and hole feature recognition and other features as well as over 200 post processors and our Post process Generator. For a complete features list by product configuration see http://mecsoft.com/visualmill/ for details. MecSoft's MILL and TURN modules also run as plug-ins within Rhinoceros CAD and SolidWorks.
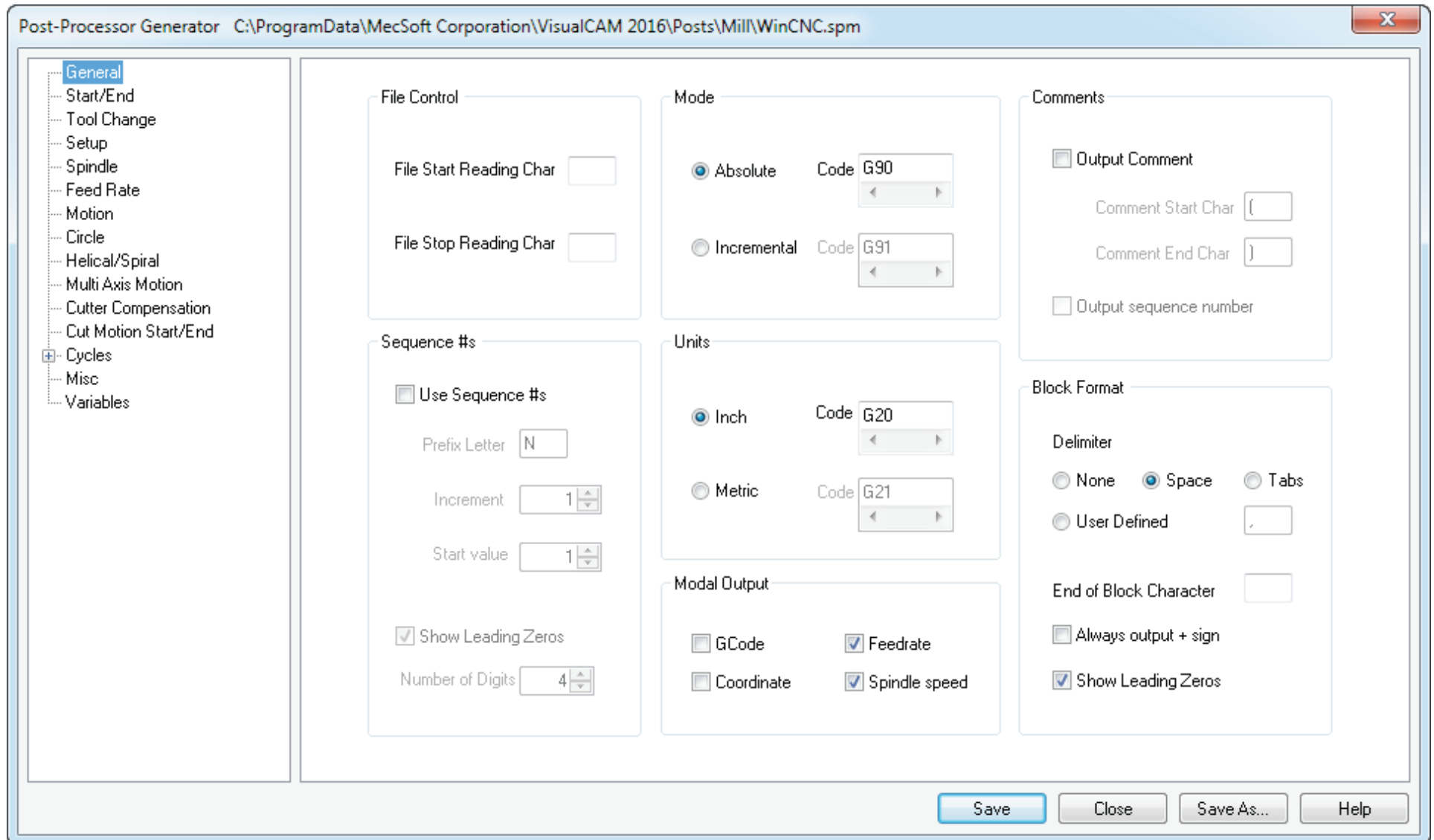
Steve also knows that with VisualMILL's built-in Post Process Generator, changes can be made to his post easily if needed and that Mecsoft's technical support staff is there ready to assist him during the process!

"Our experience working with Mecsoft Corporation has been much better and more pleasant. The program just works! I generate the code and take it to the machine and it works, every time with no hassles!

"Our customer service and tech support is fantastic and on the ball! After a short while I found the interface to be user friendly, familiar and very easy - I must admit!
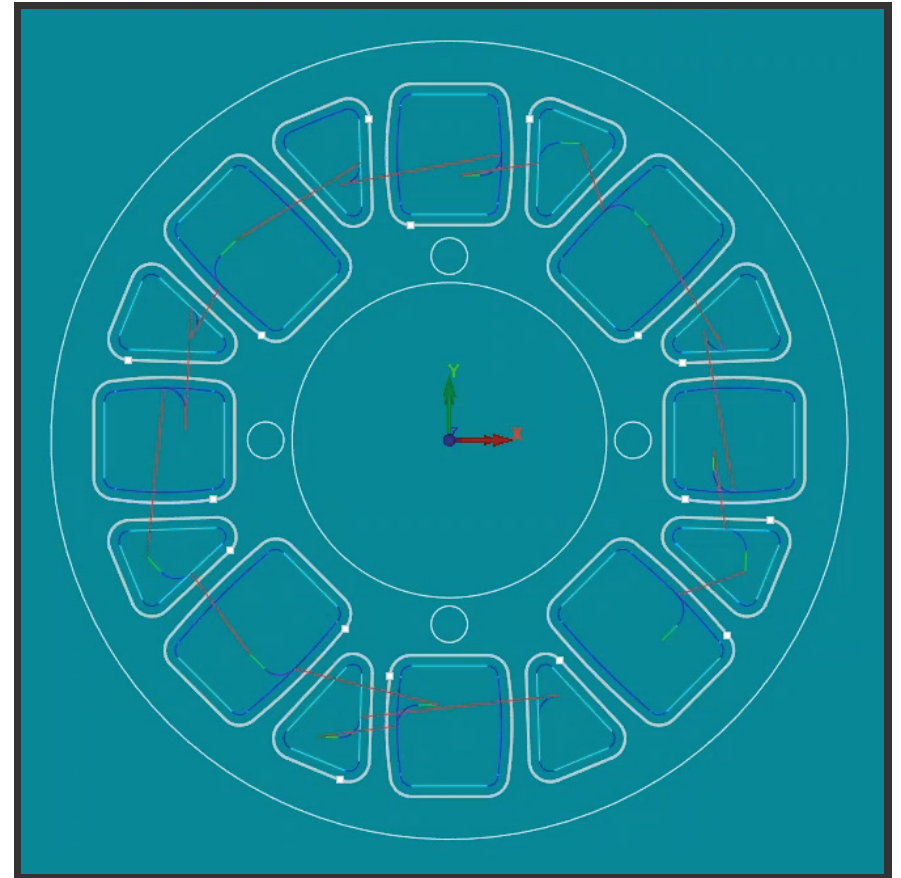
VisualCAM's Post Process Generator is included FREE with every product configuration allowing in-depth and precise control over the configuration of each of their 250+ post processors!
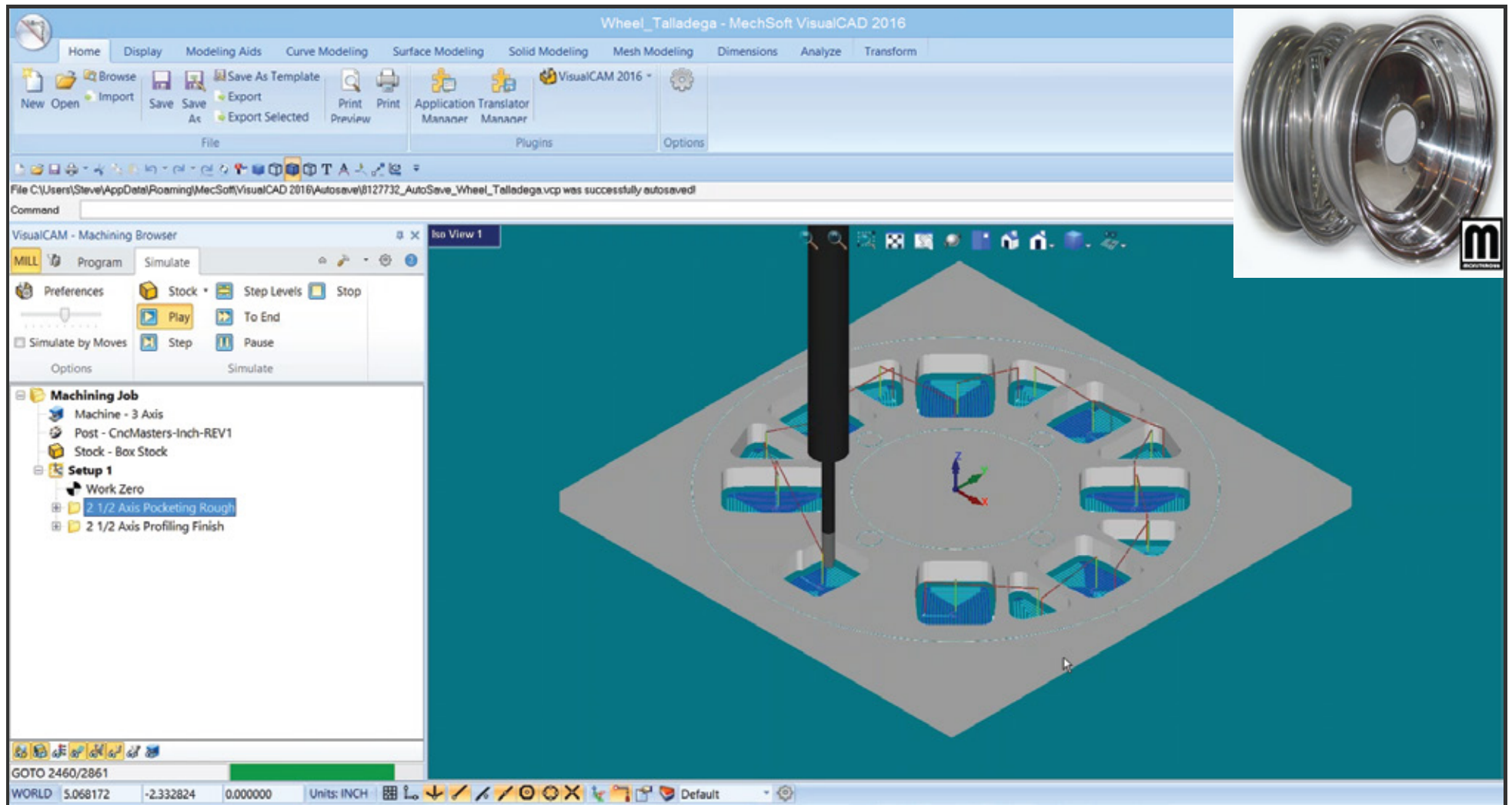
Wheel Design & Machining at MonsterGy6 Customs

Steve had an archive of his profile geometry drawings for each of their wheel designs already drawn in BobCAD®. Each was easily opened in VisualCAD® 2016 and ready for generating toolpaths in VisualMILL®.

As shown in the drawing here, the outer diameter, inner diameter and 4 mounting holes serve as a fixed template. The spoke cutout areas are then unique to each wheel design.

The machining operations for MonsterGy6 Custom's Talladega Lights wheel design are shown below:

2½ Axis Pocketing and Profiling operations in VisualMILL® 2016 are used to machine MonsterGy6 Custom's Talladega Lights wheel design. This image shows the Advanced Polygonal Simulation now included in all STD configurations in 2016. The actual chrome plated version of the end product is shown inset top right.

VisualMILL®

MecSoft

More about MonsterGy6 Customs

MonsterGy6 Customs is a complete one stop shop for all GY6 performance parts, as well as customHonda Ruckus conversion kits, fatty tire kits, GY6 conversions, and GET motor Fatty wheel kits. They fabricate many of their own parts, including powder coating, welding and other fab work. If you're looking for a custom tricked out Ruckus, give Steve and the team a call, visit them on the web at monstergy6.com or Like them on Facebook!

More about VisualCAD®, VisualMILL® & VisualCAM®

For a complete features list of features by product configuration see http://mecsoft.com/visualmill/ for details. VisualNEST®, VisualART® and Visual3DPRINT® modules are also available. MecSoft's MILL and TURN modules also run as plug-ins within Rhinoceros CAD and SolidWorks.