

Introduction

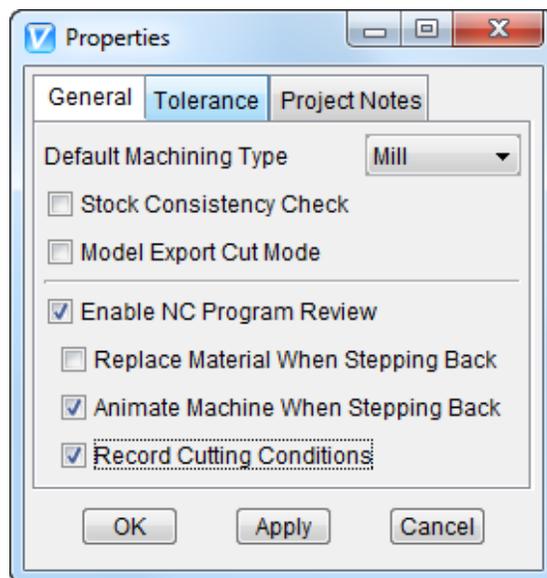
The iPad Reviewer App enables you to quickly and easily view and replay a previously processed VERICUT Project file. The input to the iPad Reviewer App is a VERICUT Review file (.vcreview). The VERICUT Review file contains all of the information required to replay the tool's path and the machine simulation that was created in VERICUT.

The iPad Reviewer App enables you to view both Workpiece views and Machine/Cut Stock views but only one type of view can be viewed at a time. The iPad Reviewer App also enables you to view the NC program or the VERICUT Status window while reviewing a review file. You also have the ability to view a VERICUT Report if one was saved with the reviewer file. Each of these features will be described in detail below.

Creating Reviewer Files in VERICUT

This section describes the how to create a reviewer file in VERICUT for reviewing with the iPad Reviewer App. The following items must to be considered when creating a reviewer file (.vcreview) for reviewing in the iPad Reviewer App:

- The App requires a .vcreview file created by VERICUT 7.3 (or 7.3.x).
- The App is able to display both Workpiece and Machine/Cut Stock views.
- The App does not show “replace material” even if it is saved in the .vcreview file. “Replace material” makes the file SIGNIFICANTLY LARGER. Since “replace material” is not used in the App do not save it in the review file.
- If you save a VERICUT report .pdf before saving the .vcreview file, then the .pdf file will be added to the .vcreview file. The App has a button enabling you to view the VERICUT report .pdf embedded in the review file contents.
- The following are good settings to use when creating a reviewer file for use on the iPad Reviewer App.



Follow this general procedure when creating reviewer files for use on the iPad Reviewer App. The following assumes that you have a VERICUT session up and running.

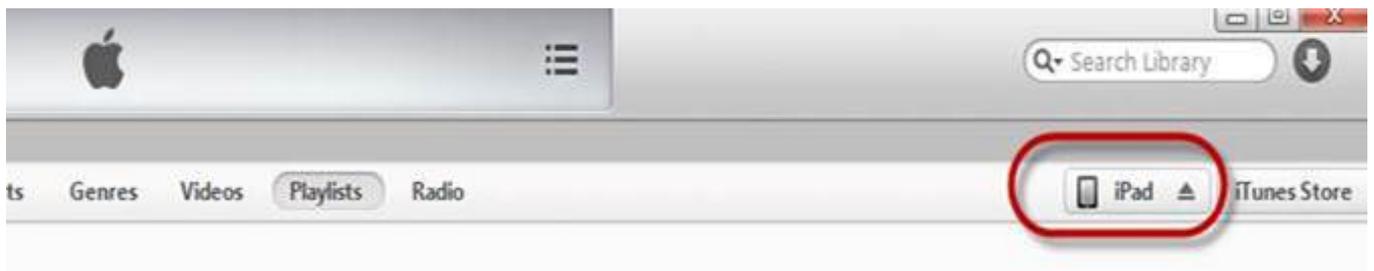
1. In VERICUT, make the appropriate settings in the Properties window (File menu > Properties).
2. Use one of the following methods to display the Open Project file selection window.

- In the Project Tree, right-click on the Project Branch and select **Open** from the menu that displays.
 - In the VERICUT menu bar, select **File menu >Open**.
 - In the VERICUT toolbar, click in the  (**Open Project**) icon.
3. In the Open Project file selection window that opens, select, or type the */path/filename* of the file to open and then click **Open**.
 4. The **Project file** is opened. The current **Project file** name and unit measurement system are displayed in the VERICUT window title bar.
 5. If you are planning to include a VERICUT Report pdf file in the reviewer file, ensure that VERICUT is configured to create the desired data for the report.
 6. In the VERICUT Simulation Controls, press on the  (**Play / Start-Stop Options**) icon to start the simulation. You can save a part of the simulation, or the entire simulation in the VERICUT Review file.
Use the  (**Pause**) simulation control to stop the simulation before the end.
 7. If you want to save a VERICUT Report pdf file in the reviewer file continue with Steps 8, 9 and 10. Otherwise go on to Step 11.
 8. Select the report template file to be used.
 9. Enter any job specific, **User-Defined Tag values** required by the selected user template.
 10. Create the Report.
 11. When you have created the simulation data, select File Menu > Review > Save Review File in the VERICUT main menu bar to display the **Save VERICUT Review File** file selection window.
 12. In the **Save VERICUT Review File** file selection window, specify the *\path\filename* for the review file to be saved and then select **Save** to save the review file.

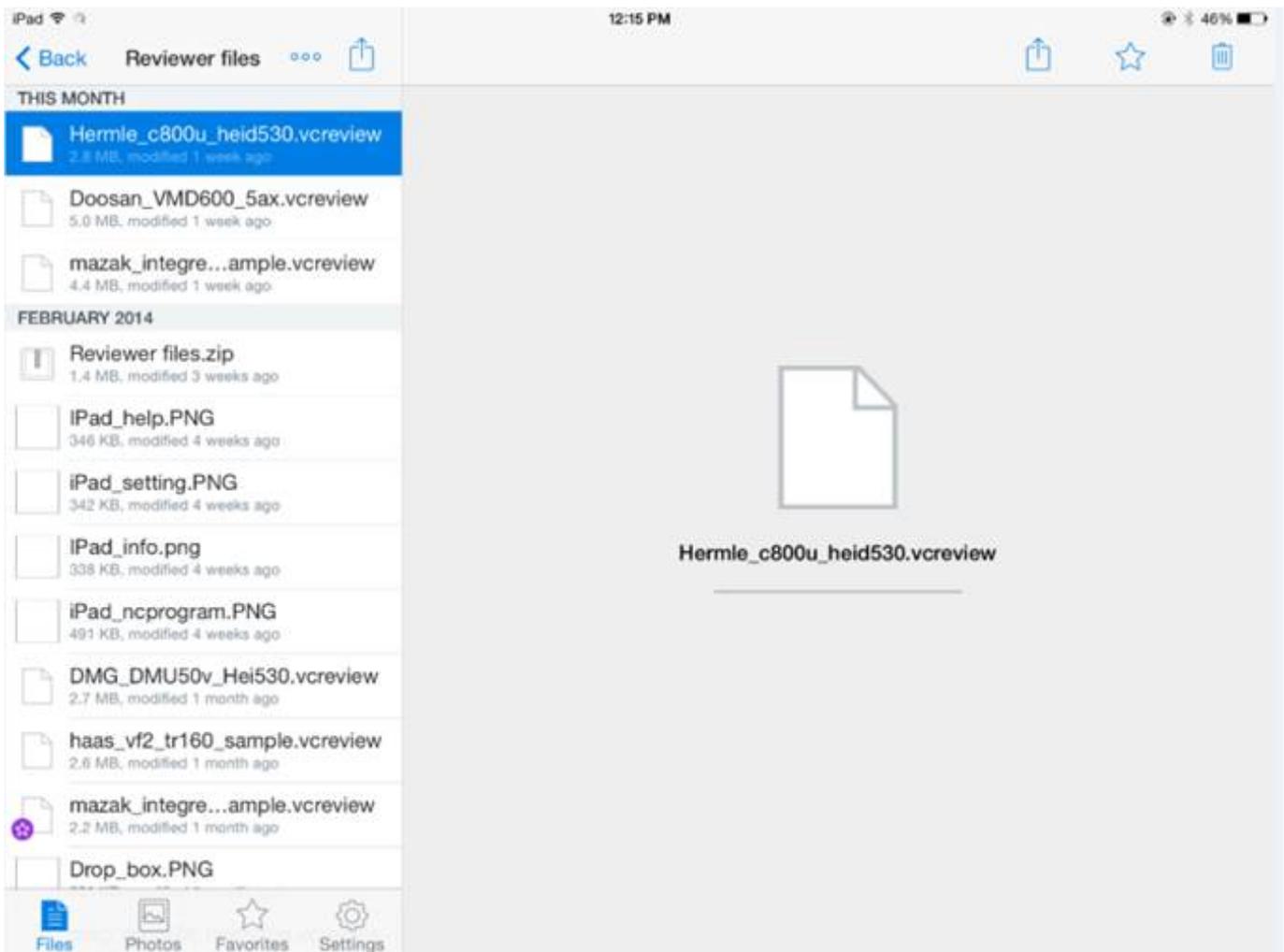
Uploading Files to your iPad

Use one of the following methods to upload reviewer files to your iPad.

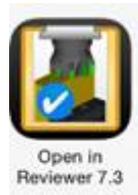
1. Via iTunes
 - Connect the iPad to your computer with a cable and open iTunes.
 - Select your iPad from the top menu:



- Once you login to your IPad Select Apps



- Select the share icon  and then choose “Open in...”

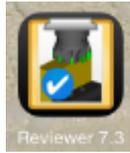


- Then select Reviewer

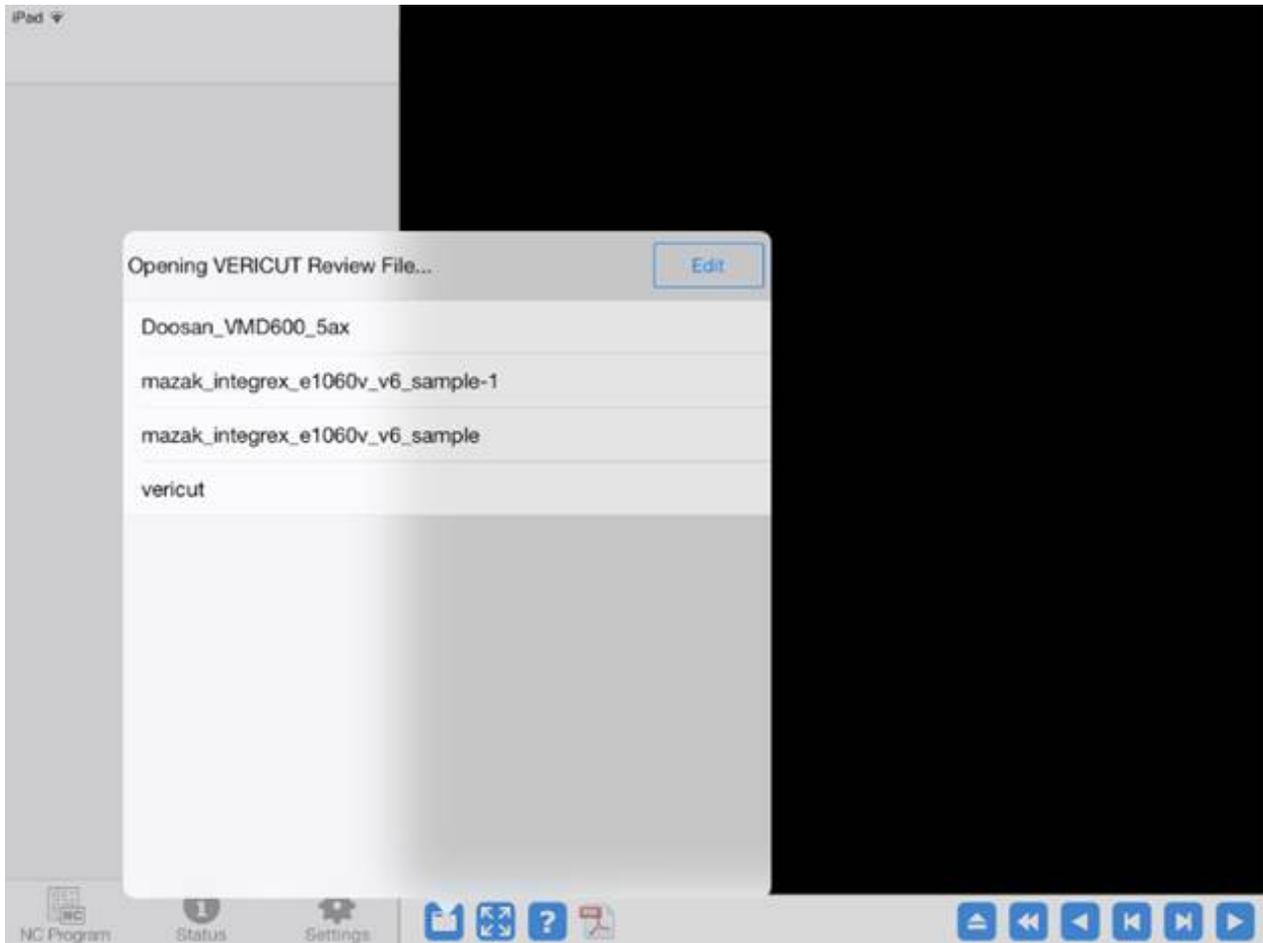
3. Via Email

- If you get E-mail on your iPad, simply E-mail yourself a Reviewer file and open it using the same steps as DropBox

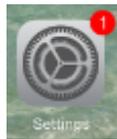
Starting the iPad Reviewer App



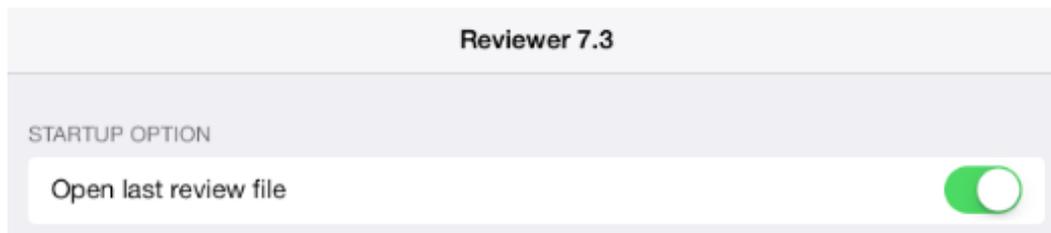
1. On the iPad Home page, select the **Reviewer 7.3** (Reviewer App) icon to start the Reviewer.
2. Select the Reviewer file that you want to load from the **Opening VERICUT Review File** window that displays.



Tip: You can set the iPad Reviewer App to open the last reviewer file that was loaded by default by doing the following.

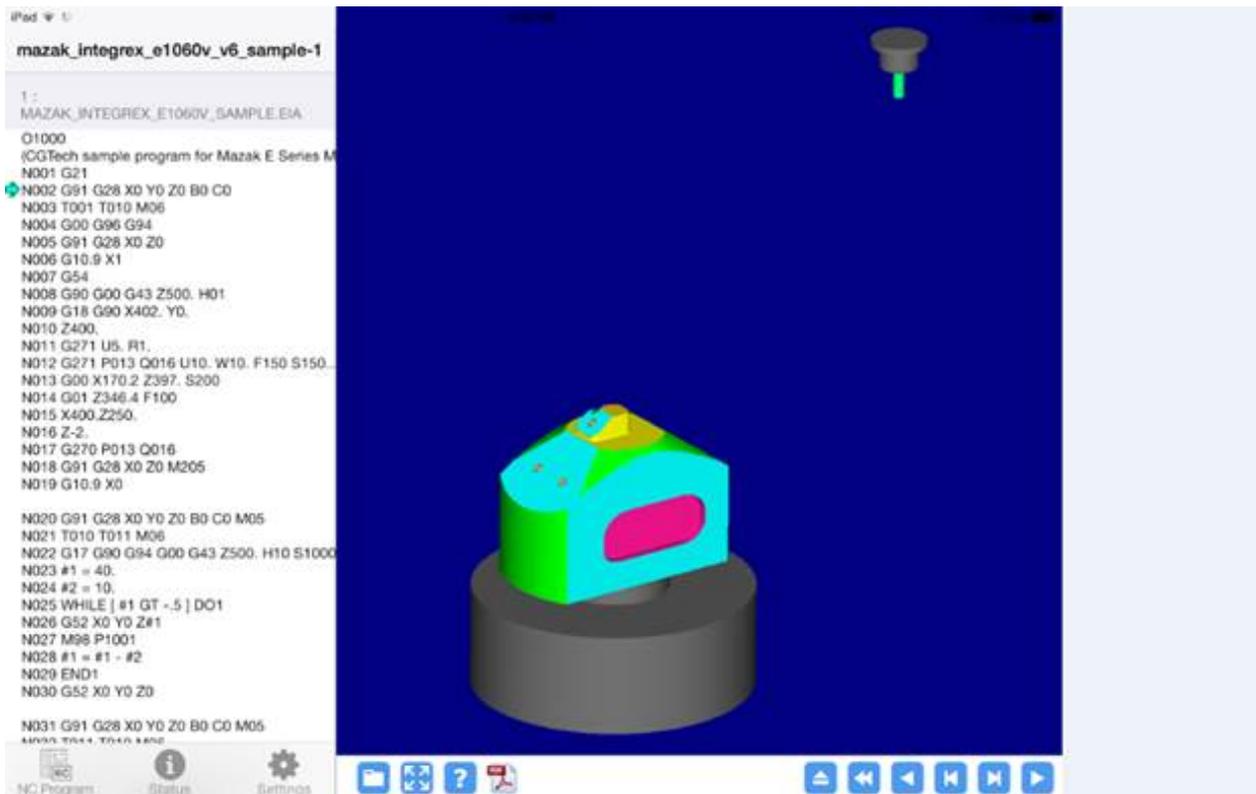


- On the iPad Home page, select the **Settings** (Settings) icon.
- In the **Settings** window that opens select **Reviewer 7.3**.
- In the **Reviewer** window that displays, slide the **Open last review file** toggle to the right so that it is displayed green (on) as shown. Slide the toggle to the left to turn off.



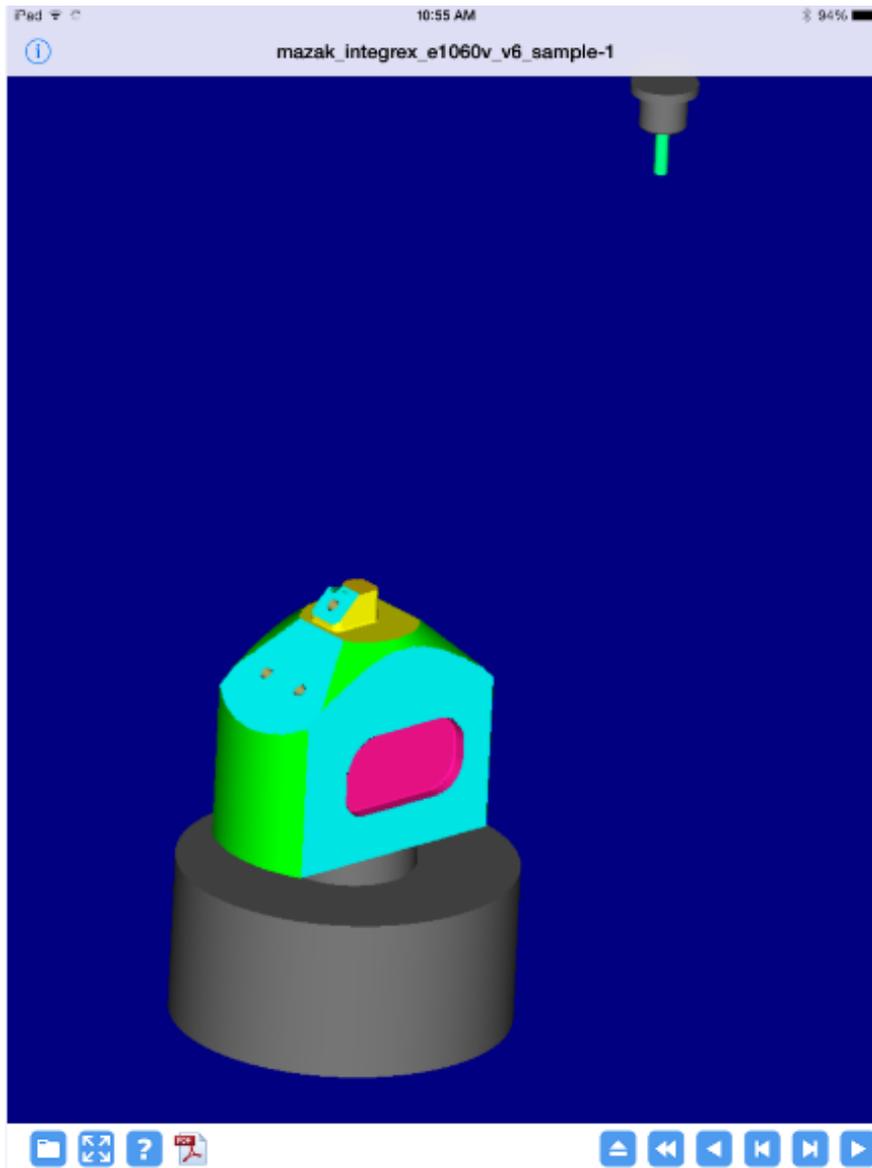
3. The iPad Reviewer App should now be displayed with the selected reviewer file loaded.

Horizontal Display



Notice that with the horizontal display, the window on the left is automatically displayed. It will remain displayed while simulating the review file.

Vertical Display



Notice that with the vertical display, there is no window displayed on the left. To display the window, place your finger on the left edge of the screen and then slide it to the right. To remove the window display, put your finger on the right edge of the window and slide it to the left. The window will automatically be removed from view when simulation of the review file starts.

Using the iPad Reviewer App

Window Features

The window on the left side of the screen is controlled by the 3 icons displayed at the bottom of the window.



Use the  (NC Program) icon to display the **NC Program Listing** window.

The **NC Program Listing** window contains a listing of the NC program records and enables you to define ranges of NC program records for



replay.

Slide your finger up or down in the **NC Program Listing** window to scroll through the NC program.

The **Start/Current/End** markers can be found along the left side of the **NC Program Listing** window. The **Start** marker is represented by the green triangle , the **Current** marker is represented by the aquamarine arrow , and the **End** marker is represented by the red square .

The **Start** and **End** markers are used to define the range of NC program records that will be replayed when using **Play to End**. The **Current** marker moves to the NC program record that is currently being replayed.

Double tap on the line in the NC program where you want to set the Start marker.

Single tap on a line in the NC program to set the Current line.

Double tap on the line in the NC program where you want to set the End marker.

Use the  (Status) icon to display the **Status** window.

The **Status** window provides status information about the simulation and what would be occurring on the NC machine.

The status information includes: NC Program record being processed, machine and tool tip locations, information about the cutting tool, etc.

Slide your finger up or down in the Status window to scroll through the list.

The items displayed in the **Status** window will vary depending on the project file that was used to create the reviewer file, and on whether the reviewer file was created in VERICUT Simulation, VERICUT

iPad

mazak_integrex_e1060v_v6_sample-1

Local X	985
Local Y	530
Local Z	1095
Local A	0
Local B	0
Local C	0
Time	0:00:00
Spindle	
Spindle	OFF
Feedrate	
Coolant	
Tool Number	
Tool Description	
Motion Type	RAPID
Abs/Inc	INCREMENTAL
Motion Plane	XY
Spindle Mode	RPM
Cutter Comp	OFF
Cycle	OFF

NC Program Status Settings

Composite Simulation, or VERICUT Drill and Fastener Simulation.



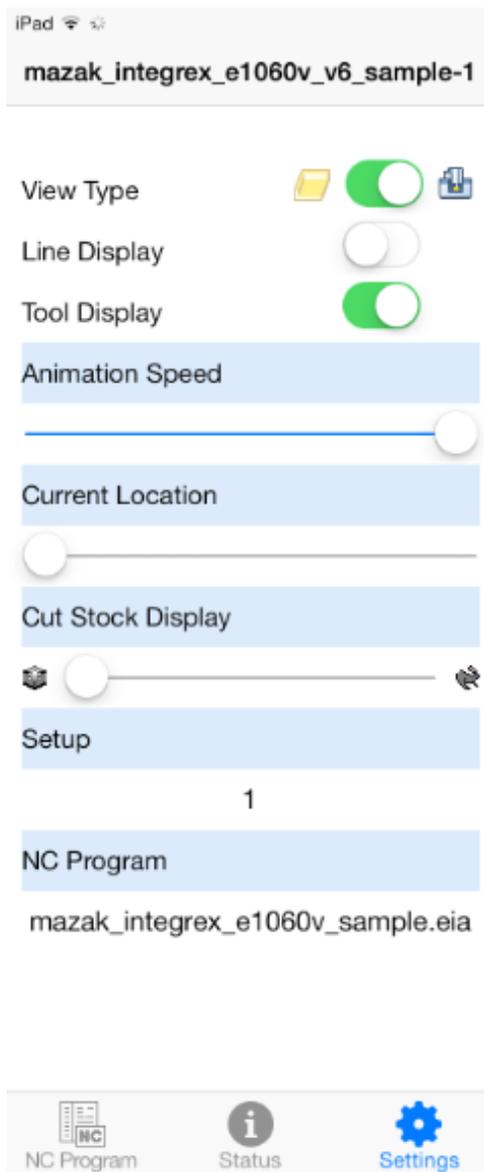
Use the **Settings** (Settings) icon to display the **Settings** window.

The **Settings** window provides features that enable you to control the animation.

View Type — Slide the toggle to the left to display the Workpiece. Slide it to the right to display the Machine/Cut Stock View.

Line Display — Use to specify whether or not to display the lines representing the tool's path in the graphics area. Slide the toggle to the left to turn off line display. Slide it to the right to turn on line display.

Animation Speed — Enables you to control the speed of the animation. Slide the slide button to the left to slow down the animation, slide it to the right to speed up the animation.



Current Location — Enables you to start the simulation at a location other than the start of the reviewer file. Use the slide button to specify where in the reviewer file that you want to start the simulation. Setting Slide button all the way to the left starts the simulation at the beginning. Setting the Slide button at the center is half way through the simulation. Setting the Slide button all the way to the right is the end of the simulation. Set the Slide button anywhere within the range to specify where you want to start the simulation.

Cut Stock Display — Enables you to control the way that the Cut Stock is displayed (and therefore the simulation speed). Moving the slider to the left will display a "sharper" image of the Cut Stock but will result in longer simulation times. Moving the slider to the right results in a Cut Stock display with a less sharp image, but simulation time will be faster.

Setup — Displays the name of the Setup that is currently being simulated.

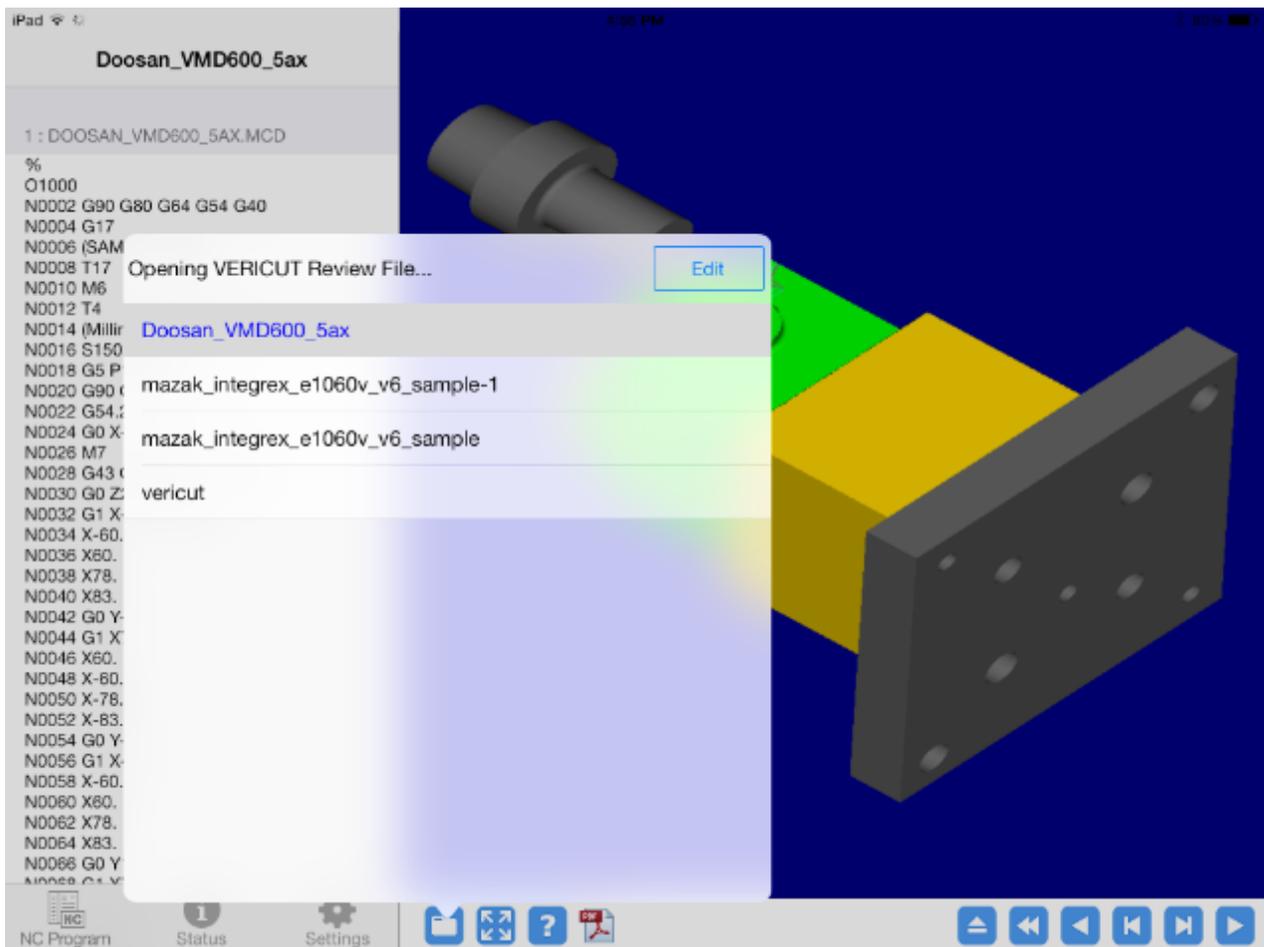
NC Program — Displays the name of the NC program that is currently being simulated.

Miscellaneous Features

The buttons located at the bottom-left corner of the graphics area provide access to a variety of options such as opening VERICUT review files, getting help with manipulating the graphics display and viewing the VERICUT Report if one is associated with the current review file.



 (Opening VERICUT Review File) — Tap on this icon to display the **Opening VERICUT Review File** window enabling you to open another VERICUT review file. Tap the icon again to close the window without selecting a review file.

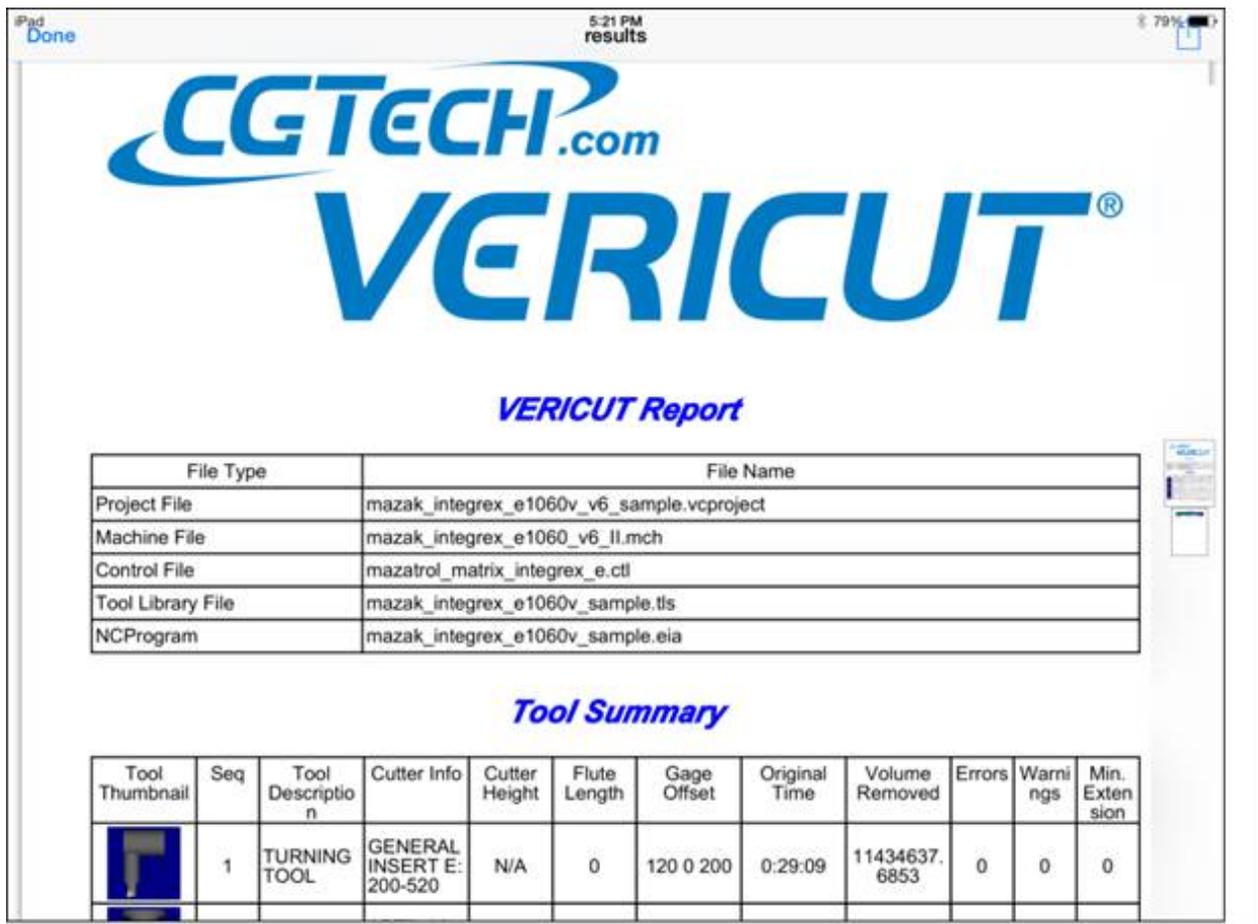


 (Fit) — Tap this icon to “Fit” the contents of the view. A "Fit" operation resizes the workpiece or NC machine so the entire model can be seen in the view.

 (Help) — Tap this icon to display the Help window displayed below.



 (View Report File) — Tap this icon to view a VERICUT Report if one was saved with the reviewer file. Tap “Done” in the upper left corner to close the report.



Simulation (VCR) Controls

The simulation controls, also known as VCR buttons, located at the bottom-right corner of the graphics area control interactive tool path replay. Use these controls to start and stop the replay of the tool path.



-  (Rewind to Beginning) — Tap on this button to rewind the NC program to the beginning. The Reviewer sets the **Start** and **Current** markers to the first motion record in the NC program, sets the **End** marker to the last motion record in NC program, and clears the tool path display from the Graphics area.
-  (Rewind to Start) — Tap on this button to rewind the NC program to the record with **Start** marker. The Reviewer sets the **Current** marker to the record with the **Start** marker and clears the tool path display from the Graphics area.
-  (Play Backward) — Tap on this button to play the simulation backward from the **Current** position to the **Start** position.
-  (Step Backward) — Tap on this button to step the simulation back one NC program record ("a single block"). Repeat to step back one NC program record at a time.
-  (Step Forward) — Tap on this button to step the simulation forward one NC program record ("a single block"). Repeat to step forward one NC program record at a time.
-  (Play Forward) — Tap on this button to play the simulation forward from the **Current** position to the **End** position.