WHAT'S NEW IN BOBCAM FOR RHINO V2 SP1

Introduction

In this first update for BobCAM for Rhino V2 we have added a posting enhancement, a correction for the User Interface, Lathe, and several corrections for general CAM and Milling.

Enhancements

CAM

Posting

.BCPst

- Improved handling of arc output when using APT output by adding options to break arcs or just 3D arcs, as well as correcting tool axis vector output when utilizing 3D arcs.
  - **IsBreakArc** - boolean value to determine if all arcs should be converted to line segments using the ArcBreakTol value.
  - **IsBreak3DArc** - boolean value to determine all 3D arcs should be converted to line segments using the ArcBreakTol value.
  - **ArcBreakTol** - double value representing the chordal tolerance used for breaking the arc into line segments.

> Tip: See the **Posting APT Code** topic and the **Bcc.OutputAPTFile** topic in the BobCAD Lua API help for more information.

Corrections

User Interface

- Corrected an issue which prevented the simulation theme from matching the theme set for the software.

CAM

General

- Corrected an issue which caused a crash when canceling out of the Setup Sheet dialog.
- Corrected an issue which caused an error to be thrown when creating a job from a template.
- Corrected an issue which prevented the dirty geometry icon from being shown until geometry selection when importing a .bbcdx file.

Mill

Mill Express

- Corrected an issue which caused a crash when updating the Machining Strategy for multiple features using the Apply to All Features button.
- Corrected an issue which caused geometry to be removed from Mill Drill Holes when opening older files and using Update All Geometry.
- Corrected an issue which caused incorrect depths to be shown for Hole Groups in the Parameters page of Mill Drill Hole features when opening older files.
- Corrected an issue which caused the drop down lists in the Coolant group of the Current Settings dialog to repeat when accessing another Milling machine and viewing those lists.

Mill 3 Axis Pro

- Corrected an issue which caused an error when using a User Defined Tool with a 0.000 corner radius for the Rest Finishing option in Mill 3 Axis Pro toolpaths.

Mill 4 Axis Standard

- Corrected an issue which caused incorrect retracts and tool orientations when using a Chamfer Mill for Mill Drill Hole features in wrapping groups and Cross hole types.
- Corrected an issue which prevented all holes from being recognized in a cross drill feature if the machine setup was not located along the axis of rotation.
- Corrected an issue which prevented the direction arrows from showing for all holes in a cross drill feature if the machine setup was not located along the axis of rotation.

Lathe

- Corrected an issue which caused Lathe Rapids on Exit to get deleted when closing and reopening the file.