

CNC for VectorWorks®

Introduction

These features allow you to read and write CNC G-code from within VectorWorks.

System Requirements

These plug-ins require VectorWorks 12.0.0 or above.

Installation

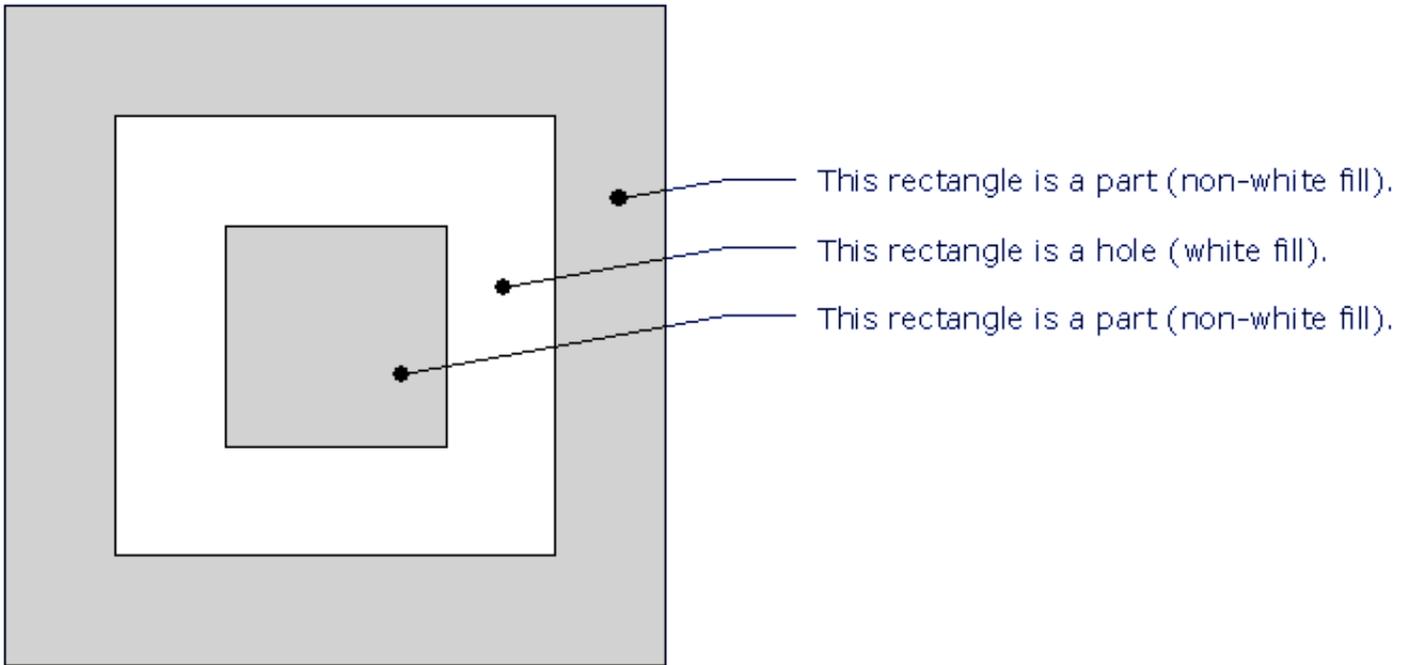
- Copy the plug-ins into the Plug-Ins folder in your VectorWorks installation. Alternatively, you can put the files into your "user" folder, which makes them available to any VW 12 installation on your system, but only to users logged on as you.
 - Macintosh: /Users/[username]/Library/Application Support/VectorWorks/12/Plug-Ins
 - Windows: C:\Documents and Settings\[username]\Application Data\Nemetschek\VectorWorks\12\Plug-Ins
- Re-start VectorWorks.
- Open the workspace editor.
- Add the plug-ins to the workspace. They're in the SCS category.
- Close the workspace editor.

Plasma Cutting

The *Export Plasma Path* command will export the G-code necessary to cut parts out of sheet stock using a plasma cutter. The proper entry and exit moves will be inserted to prevent stop/start marks in the work, and the cutter will be turned on and off at the appropriate times.

To prepare the drawing for this command, you should:

- Draw the parts that you want to cut using the true dimensions. The exported G-code will use cutter compensation commands to account for the width of the plasma stream.
- Draw the parts using fully-closed shapes. These can be rectangles, polygons, etc., but they must be closed.
- Set the fill color of all objects representing holes to white, and the color of all parts to anything but white.



To export the G-code, click the *Export Plasma Path* command, and then pick the rectangles in the order in which you want them cut. This will result in a series of repositioning, entry, cutting, and exit moves necessary to do the work. Notice that the entry/exit moves are all in the hole areas, not inside the parts.

