

This document will explain how to upgrade from Techno Vision Build 412 to Techno Vision Build 413.

Step 1.

The screenshot shows two windows. The left window, titled "Vision413 update", displays a file list with three items highlighted in yellow: machinev.dll (72 KB, Application Extension), TechnoVision.exe (1,312 KB, Application), and visioncodetransform.pre (28 KB, PRE File). A red arrow points from a text box below to the TechnoVision.exe file. The right window, titled "Techno CNC Interface + Vision System disk install", shows a file list in the directory C:\Program Files\Techno CNC Interface + Vision System disk install. The TechnoVision.exe file is highlighted in this window as well.

Down Load the updated Vision System files from www.technorouters.com/files/vision

Name	Size	Type	Date Modified
machinev.dll	72 KB	Application Extension	2/3/2009 1:00 PM
TechnoVision.exe	1,312 KB	Application	2/3/2009 1:00 PM
visioncodetransform.pre	28 KB	PRE File	2/3/2009 1:00 PM

Name	Size	Type	Date Modified
VisionOffsets.cfg	1 KB	CFG File	7/18/2008 8:22 PM
visioncodetransform.pre	28 KB	PRE File	7/10/2008 3:35 AM
two_tools.nc	1 KB	NC File	11/13/2002 4:17 PM
TechnoVision.exe	1,092 KB	Application	9/4/2008 10:57 AM
technom1.dll	52 KB	Application Extension	7/24/2007 12:02 PM
techno.csv	16 KB	CSV File	12/6/2006 11:14 AM
targetinfo.info	1 KB	INFO File	7/10/2008 3:38 AM
preview.exe	76 KB	Application	12/6/2006 11:14 AM
prepre.cfg	1 KB	CFG File	7/14/2008 11:09 AM
pcservo.cfg	1 KB	CFG File	7/14/2008 11:09 AM
params.cfg	1 KB	CFG File	12/6/2006 11:14 AM
machinev.dll	72 KB	Application Extension	2/3/2009 1:00 PM
log.dat	1 KB	DAT File	2/3/2009 3:45 PM
License.rtf	10 KB	Rich Text Document	12/6/2006 11:14 AM
gcodeupdate.dll	220 KB	Application Extension	7/10/2008 4:45 PM
demo.demo	1 KB	DEMO File	2/3/2009 3:42 PM
default.cfg	74 KB	CFG File	2/3/2009 3:45 PM
default.bak	25 KB	BAK File	2/3/2009 3:43 PM
circle and square.pdf	50 KB	Adobe Acrobat Doc...	7/23/2008 1:27 PM
CIRCLE AND SQUARE.NCD	6 KB	NCD File	7/23/2008 1:28 PM
cameradeviceinfo.txt	1 KB	Text Document	7/14/2008 9:06 PM
0412_Techno Vision Systems ...	1,851 KB	Adobe Acrobat Doc...	7/23/2008 1:33 PM
2box.nc	1 KB	NC File	4/13/2004 3:43 PM

Step 2.

The screenshot shows the same two windows as in Step 1. The left window is identical. The right window now shows the address bar set to "C:\Program Files\Techno CNC Interface + Vision System". A red arrow points from a text box below to this address bar.

Down Load the updated Vision System files from www.technorouters.com/files/vision

Copy these files to the location where the Vision System is installed.

Name	Size	Type	Date Modified
VisionOffsets.cfg	1 KB	CFG File	7/18/2008 8:22 PM
visioncodetransform.pre	28 KB	PRE File	7/10/2008 3:35 AM
two_tools.nc	1 KB	NC File	11/13/2002 4:17 PM
TechnoVision.exe	1,092 KB	Application	9/4/2008 10:57 AM
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machinev.dll	72 KB	Application Extension	2/3/2009 1:00 PM
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CIRCLE AND SQUARE.NCD	6 KB	NCD File	7/23/2008 1:28 PM
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0412_Techno Vision Systems ...	1,851 KB	Adobe Acrobat Doc...	7/23/2008 1:33 PM
2box.nc	1 KB	NC File	4/13/2004 3:43 PM

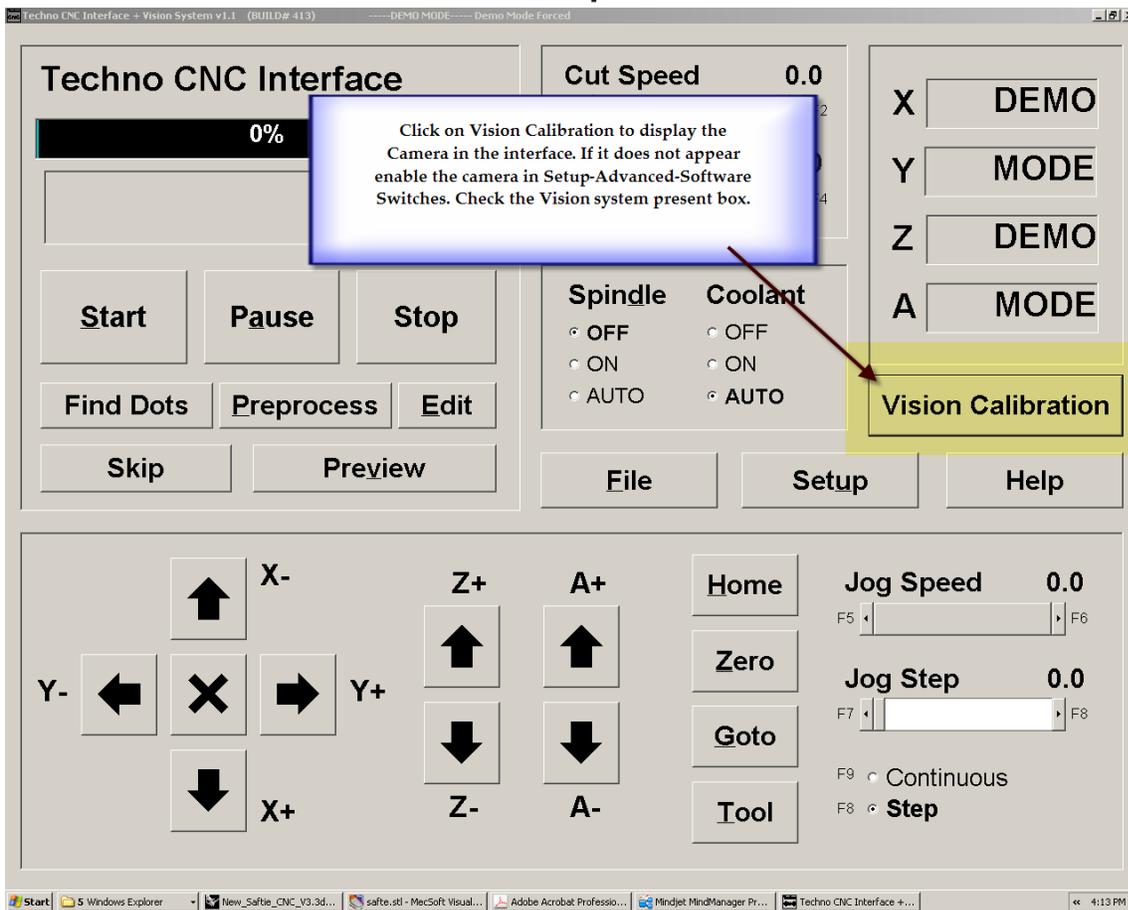
Step 3.

The screenshot shows two Windows Explorer windows. The left window is titled "Vision413 update" and shows files: machinev.dll (72 KB, Application Extension), TechnoVision.exe (1,312 KB, Application), and visioncodetransform.pre (28 KB, PRE File). The right window is titled "Techno CNC Interface + Vision System disk install" and shows a list of files including VisionOffsets.cfg, visioncodetransform.pre, two_tools.nc, TechnoVision.exe, technocm1.dll, techno.csv, targetinfo.info, preview.exe, prepre.cfg, pcservo.cfg, params.cfg, machinev.dll, and log.dat. A "Confirm File Replace" dialog box is open, asking to replace "TechnoVision.exe" (1.06 MB, modified Thursday, September 04, 2008, 10:57:10 AM) with a newer version (1.28 MB, modified Today, February 03, 2009, 1:00:36 PM). The "Yes to All" button is highlighted. A blue callout box with white text says: "When asked to replace existing file select Yes to All."

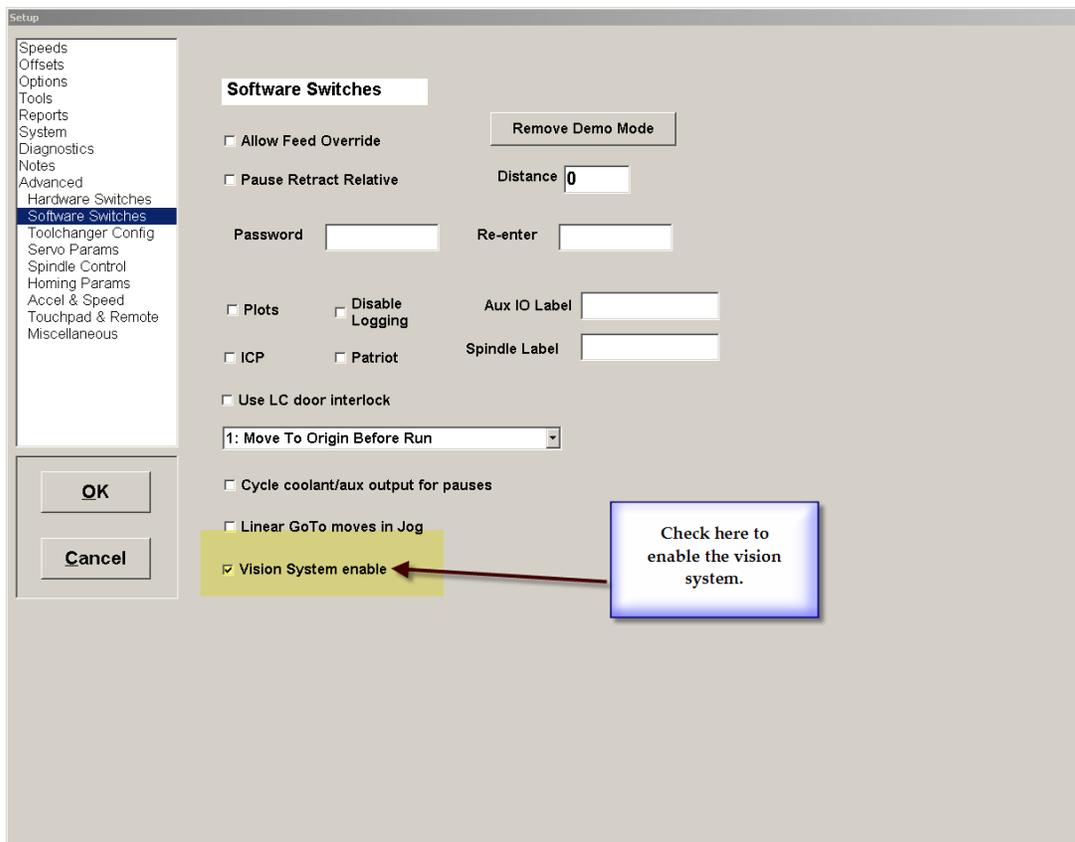
Step 4.

The screenshot shows the "Techno CNC Interface" software. At the top, it says "Techno CNC Interface" and "0%". There are buttons for "Start", "Find Dots", "Preprocess", "Edit", "Skip", "Preview", "File", "Setup", and "Help". On the right, there are buttons for "X DEMO", "Y MODE", "Z DEMO", and "A MODE". Below these are "Jog Speed" and "Jog Step" controls. A blue callout box with white text says: "If the Vision System Software fails to open after copying the new files delete the Default.cfg file and re-open the interface." The interface also includes a "Coolant" section with "OFF", "ON", and "AUTO" options, and a "Vision Calibration" section.

Step 5.



Step 6.



You will now have to re-calibrate the camera. Check the Scale factor and other settings. Ensure that they are correct for the machine.