# Vision Machine Tools 4 Installation Guide for Series 3 Controllers

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# Machine Tools 4 Installation Guide

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# 1 Installation

In the following sections, the complete machine and Vision software installation will be outlined. There are two connection configurations possible for a Vision Machine with a Series 3 Controller.

The first is a direct cable connection to your computer via the network port. There is a special "crossover" cable supplied with the machine for this connection type. This configuration is for a stand alone computer that is NOT connected to a <u>WIRED</u> network or internet. The machine (or controller) can be connected to a computer that is connected to a wireless network in this manner.

The second configuration is for connection to the machine (or controller) through a wired network using a standard network cable (DO NOT use the crossover cable when connecting to a network). In this configuration, the machine (or controller) will be recognized as a network device. Connection in this manner is the easier of the two connection types. If there are no network connections available, a network hub can be added to allow connection of the engraver to your network.

Please call your distributor or the service department at Vision for assistance if you are having problems connecting your machine.

## 1.1 Direct Connection to Computer

## Direct Connection to Computer Using Crossover Cable

Once the machine (or controller) is connected directly to your computer's network port (on your PC) with the crossover cable, turn the machine (or controller) on. Wait for the machine to initialize; the LCD will display "Go to Home".

NOTE - This installation is performed on a Windows 7 PC. For Windows Vista or Windows XP, the screens are slightly different.

Open the folder where you have unzipped the Vision Machine Tools 4 software, locate the file called Setup and double click on it to begin the installation.

Select your machine from the list (Vision VE810 shown) and select OK to add this machine to the Connection Manager.

Select the machine tools for which you want to generate connection files. Use the ctrl or shift key to select more than one machine tool.			OK Cancel
Name	Machine Tool	Address	
			Potroch

The installation will proceed.

Processing	
Building XMI list. This may take a minute.	
¢,	

At the completion of the Machine Tools setup, select OK.



A restart of the computer may be necessary in order for Windows to register the software. Select Yes, I want to restart my computer now, then select Finish.

InstallShield Wizard	
	Reboot Needed         Machine Tools Suite 4 is installed but requires a reboot to finish. <ul> <li>Yes, I want to restart my computer now.</li> <li>No, I will restart my computer later.</li> </ul> Remove any disks from their drives, and then click Finish to complete setup.
	< Back Finish Cancel

The computer's IP address will need to be set. NOTE - this should not cause any conflicts with your computer's wireless IP address, which is determined by the computer's wireless network card. To set the computer's IP address, open the Window's Control Panel. Depending on how you have this folder set, you will either see Network and Internet, or you will see the Network and Sharing Center immediately. If you see Network and Internet, select View Network Status and Tasks (which opens the Network and Sharing Center). If you see the Network and Sharing Center, open it. Then select Local Area Connection (as shown below).

0		
🕖 🗣 🕴 Control Panel 🕨	All Control Panel Items   Network and Sharing Center	Search Control Panel
Control Panel Home	View your basic network information and set up connections	
hange adapter settings	🙀 🐌 🥘 See full map	
Change advanced sharing ettings	DSCLIF1-R.7 visionengravers.com Internet (This computer)	
	View your active networks Connect or disconnect	
	Visionengravers.com Access type: Internet Domain network Connections: e <sup>df</sup> Local Aces Connection	
	Change your networking settings	
	Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a nouter or access point.	
	Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.	
	Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings.	
	Since and repair network problems.	
ee also		
iomeGroup		
nternet Options		
Mindows Directall		

## Select Properties.

Local Area Co	nnection Status	×
General		
Connection		
IPv4 Connect	ivity:	Internet
IPv6 Connect	ivity:	No Internet access
Media State:		Enabled
Duration:		00:35:45
Speed:		100.0 Mbps
Details		
Activity		
	Sent — 📕	Received
Bytes:	5,435,157	22,049,839
Properties	😚 Disable	Diagnose
•		Close

Then, select Internet Protocol Version 4 (TCP/IPv4).

Networking Connect using:		
Broadcom 440x 1	10/100 Integrated Control	ler
This connection uses the	e following items:	Configure
QoS Packet Scl     QoS Packet Scl     Define and Printers     define the Protocol     definet the Protocol     definet the Protocol     definet t	neduler Sharing for Microsoft Net I Version 6 (TCP/IPv6) I Version 4 (TCP/IPv4) ology Discovery Mapper ology Discovery Respon	works I/O Driver Ider
Install	Uninstall	Properties
Description Allows your compute	r to access resources or	a Microsoft network.

Then select Properties. Select Use the following IP address: and enter 192.168.5.100 as shown. enter the Subnet mask: 255.255.255.0, then select OK and close any other network configuration windows.

Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties
Networking	General
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure	Obtain an IP address automatically  Use the following IP address:
<ul> <li>✓ T Client for Microsoft Networks</li> <li>✓ ■ QoS Packet Scheduler</li> </ul>	IP address: 192 . 168 . 5 . 100
File and Printer Sharing for Microsoft Networks	Subnet mask: 255 . 255 . 255 . 0
	Default gateway:
<ul> <li>Link-Layer Topology Discovery Mapper I/O Driver</li> <li>Link-Layer Topology Discovery Responder</li> </ul>	Obtain DNS server address automatically
Install Uninstall Properties	Preferred DNS server:
Description Transmission Control Protocol/Internet Protocol. The default wide	Alternate DNS server:
area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit Advanced
OK Cancel	OK Cancel

The IP address of the machine will need to be set to set up the connections properly. Go to the Windows Start Button and select All Programs, select Vision Machine Tools 4, then select Connection Manager. The below screen will appear.

File Add Edit View Sort Tools Help				
OMANO	8			
Connection Name	Machine Name	Address	Туре	On line
Vision VE810 s3	Vision VE810 s3 (15259)	192.168.0.146	By Name	Yes
٠	III			

In order to change the machine's IP address, select your machine (or controller) in the window, then select Edit, then Change Address from the top menu bar.

0 0 A	Select	•		
Connectior	Delete Selected	Address	Туре	On line
/ision VE81	Settings	192.168.0.146	By Name	Yes
	Change Address			
	Rename Selected			
_	Change Machine Tool			
_	Replace Machine Settings File			
-	Connections Directory			

The following screen may appear. Select Yes to continue.

Connectio	n Manager
2	There is someone already connected to machine Vision VE810 s3 (15535). Changing the address could cause problems with there connection. Do you want to change it anyway?
	Yes No

Enter the address 192.168.5.101 as shown, then select OK. Close the Connection Manager window.

IP Address	X
For Connection Vision VE810 s3	
192 . 168 . 5 . 101	
Activate DHCP	
OK Cancel	

The configuration is complete at this point.

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## 1.2 Network Connection

### Connecting via Standard Network Cable to Network

Once you have connected your machine (or controller) to your network, turn the machine on. Wait for the machine to initialize; the LCD will display "Go to Home".

NOTE - This installation is performed on a Windows 7 PC. For Windows Vista or Windows XP, the screens are slightly different.

Open the folder where you have unzipped the Vision Machine Tools 4 software, locate the file called Setup and double click on it to begin the installation.

Select your machine from the list (Vision VE810 shown) and select OK to add this machine to the Connection Manager.

Select the machine tools for which you want to generate connection files. Use the ctrl or shift key to select more than one machine tool.			OK Cancel
Name	Machine Tool	Address	
			Refresh

The installation will proceed.



At the completion of the Machine Tools setup, select OK.



A restart of the computer may be necessary in order for Windows to register the software. Select Yes, I want to restart my computer now, then select Finish.

InstallShield Wizard	
	Reboot Needed         Machine Tools Suite 4 is installed but requires a reboot to finish.            Yes, I want to restart my computer now.             No, I will restart my computer later.          Remove any disks from their drives, and then click Finish to complete setup.
	Kenter Ke

The configuration is complete at this point.