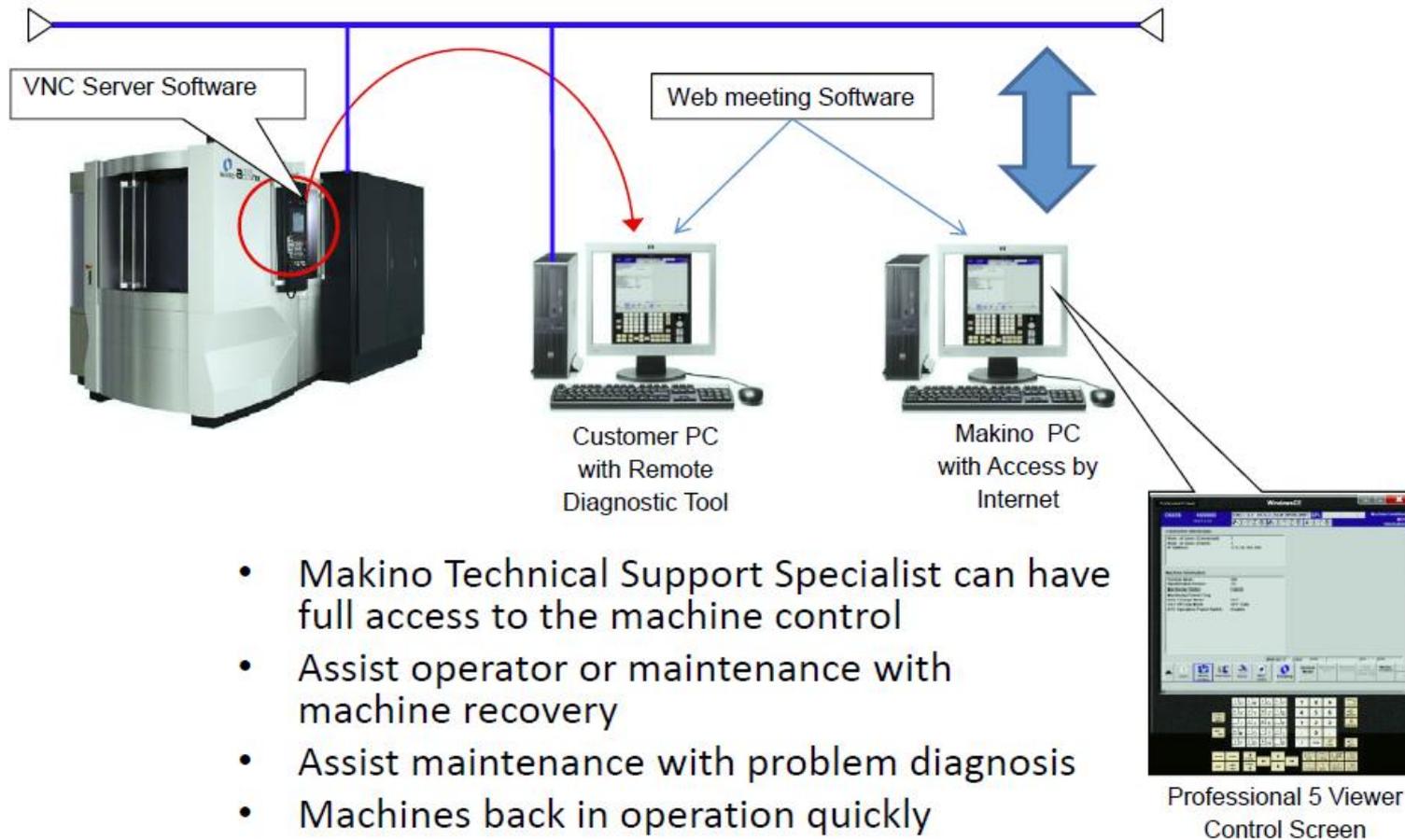


ProVis

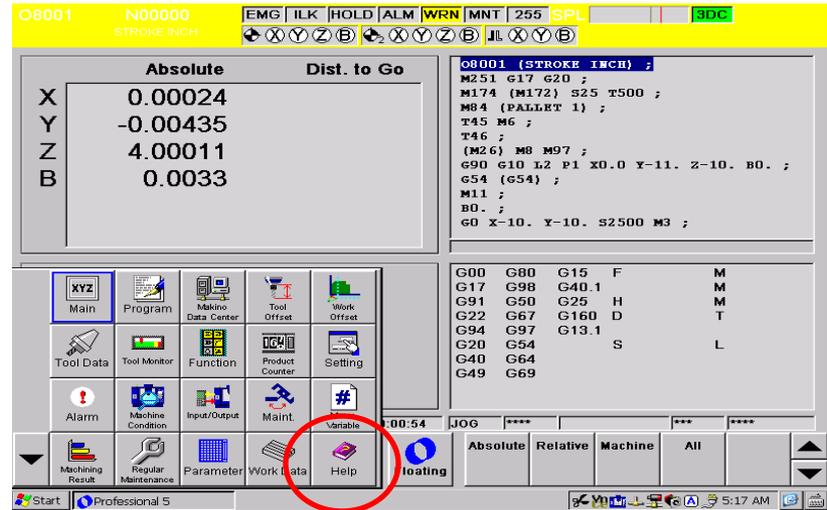
Installation Guide

How it works

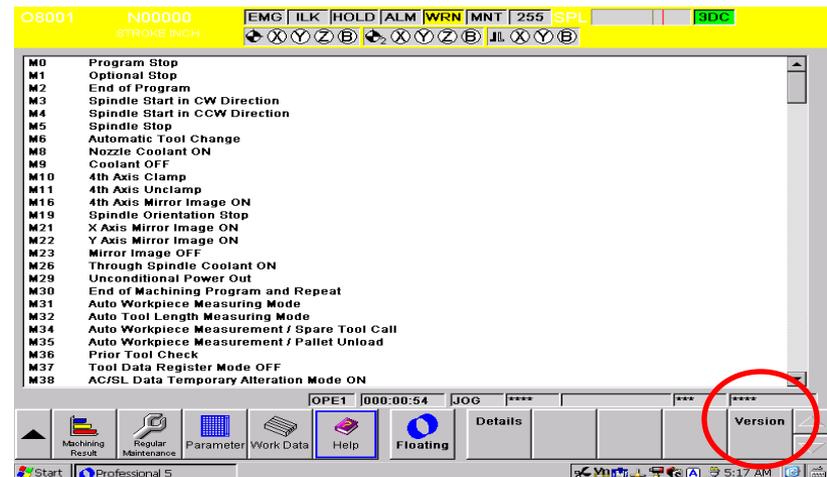


1. Install VN CE Server

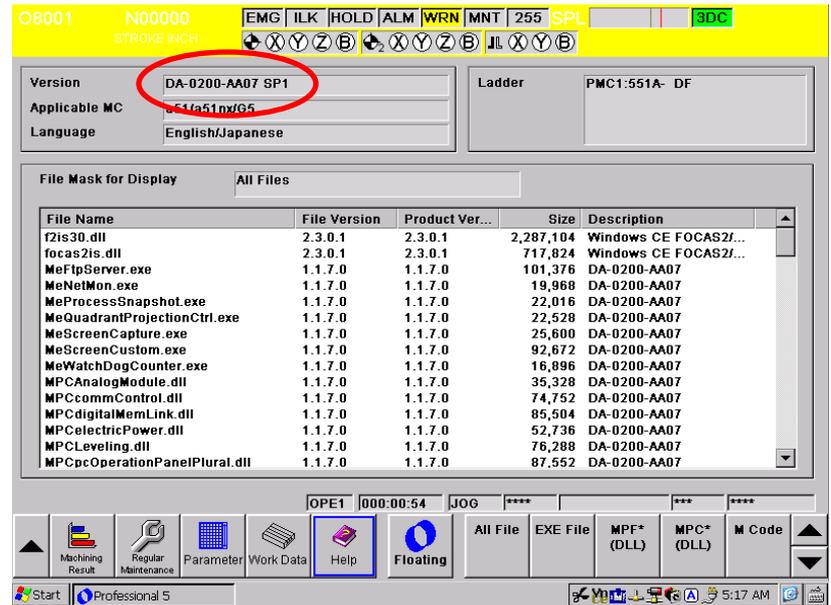
- Go to Help Screen



- Press Version soft key

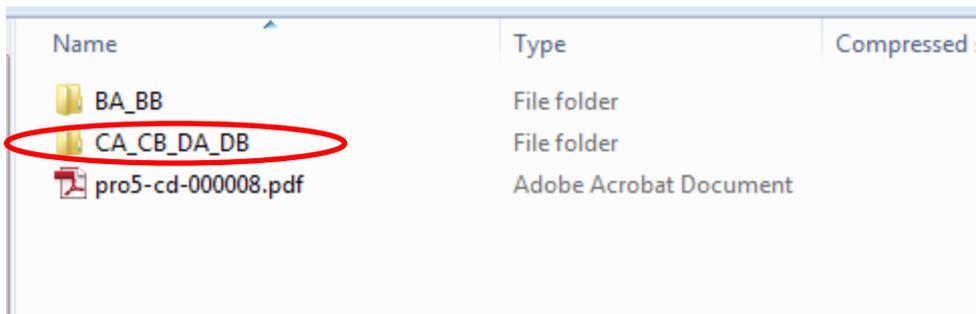
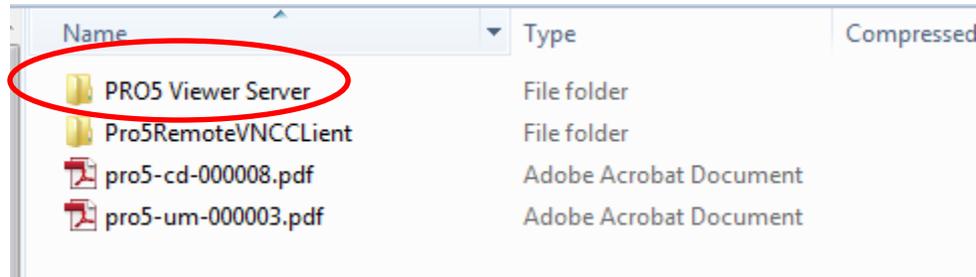


- Check Software Version

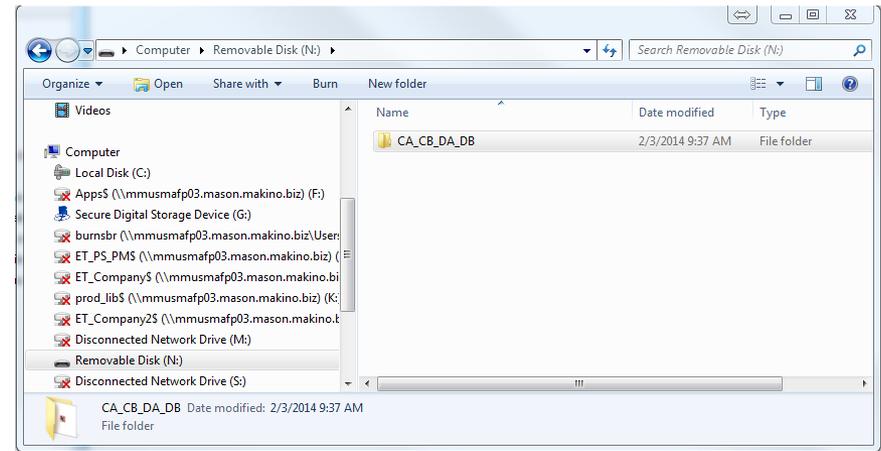


- From your PC, open ProVis.zip file
- Open PRO5 Viewer Server folder.
- Select the appropriate folder based on the machine software.

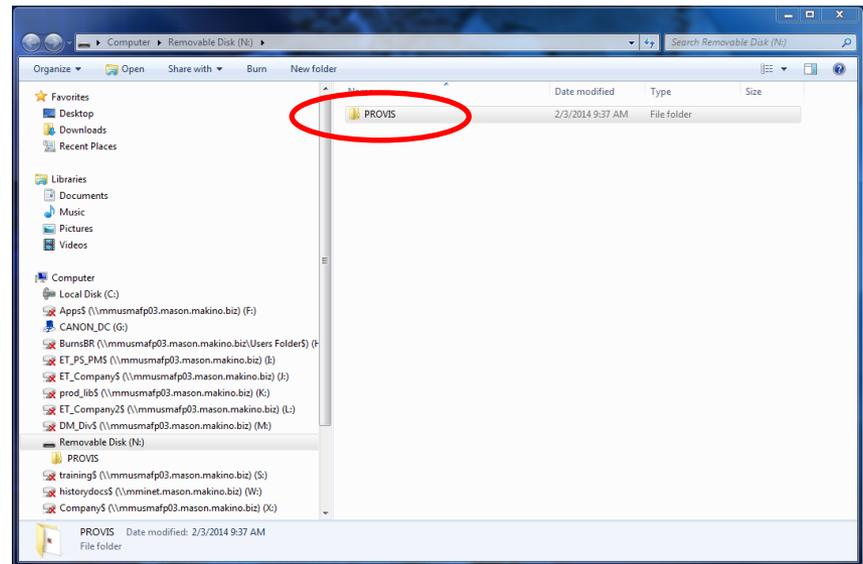
(In this case, machine software is DA, so you would select the CA_CB_DA_DB folder.)



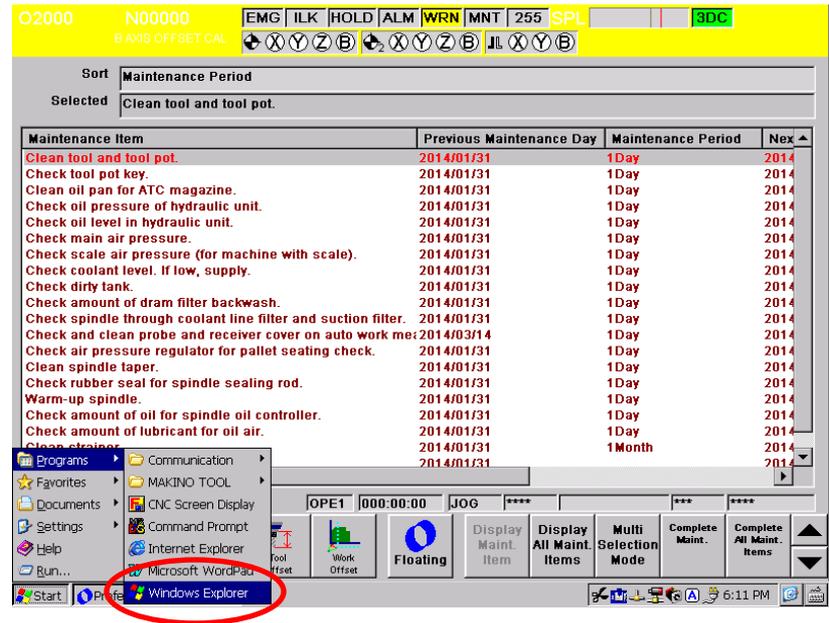
- Copy selected folder onto a compact flash card.



- Rename the folder on the compact flash card to “PROVIS”

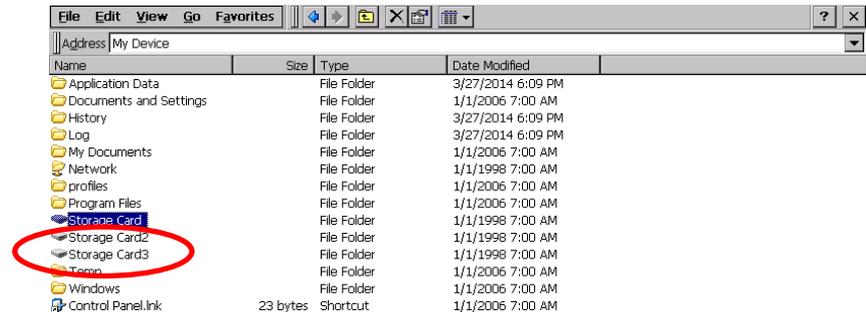


- Go to the machine
- Insert compact flash card
- Select Start > Programs > Windows Explorer

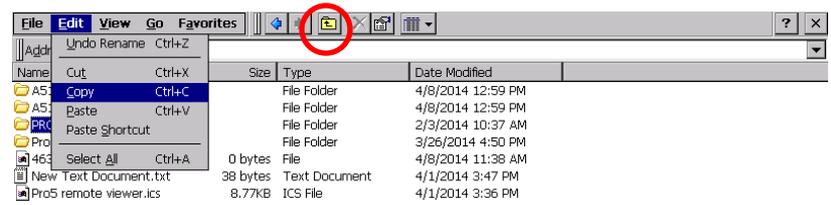


- Select your External Storage Card.

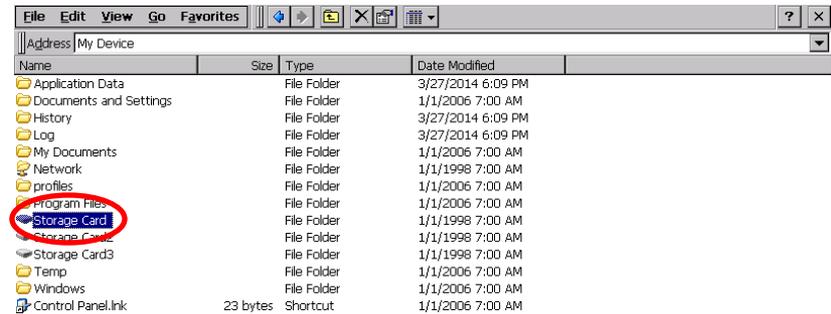
(In this case it is 'Storage Card 3')



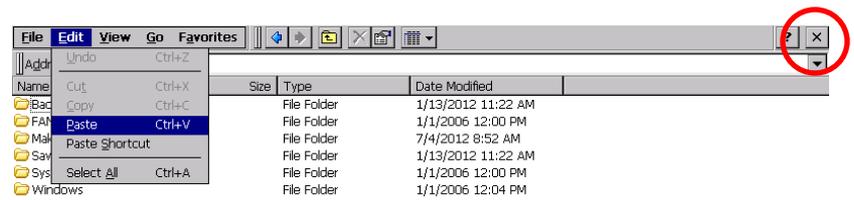
- Select PROVIS folder
- Select Edit > Copy
- Press the up folder button



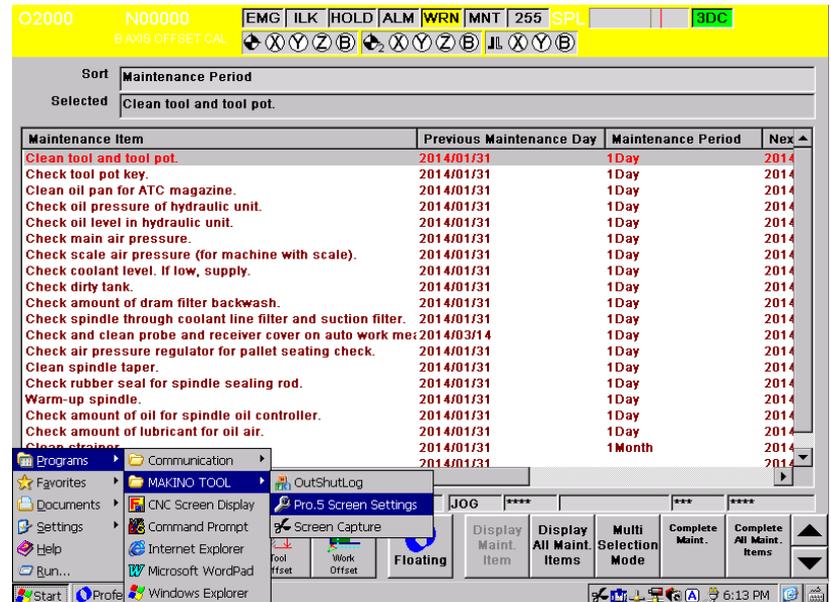
- Select 'Storage Card' and open



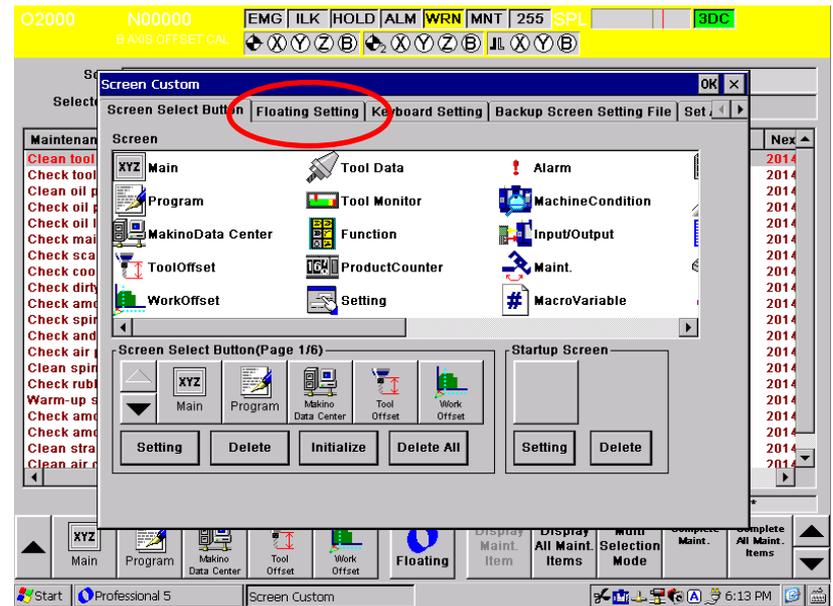
- Select Edit > Paste
- Close Windows Explorer



- Select Start > Programs > MAKINO TOOL > Pro5 Screen Settings



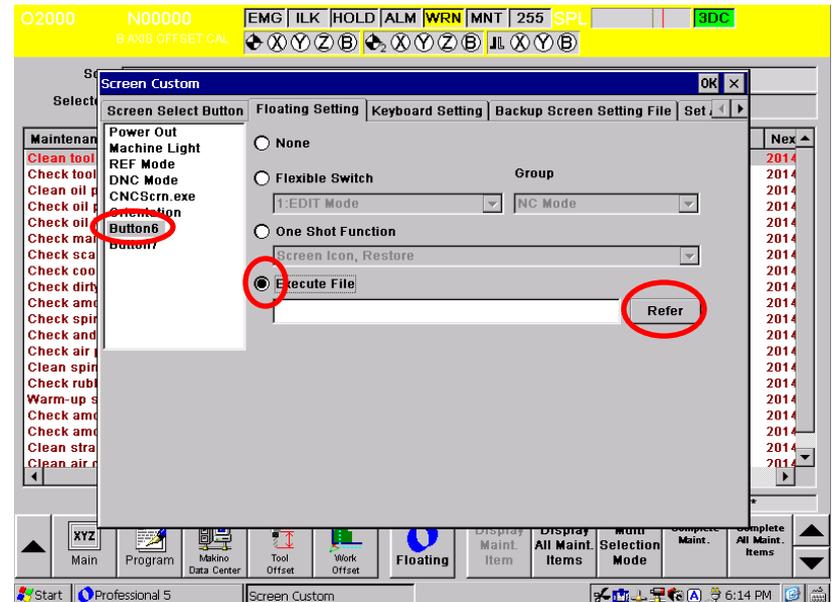
- Select Floating Setting Tab



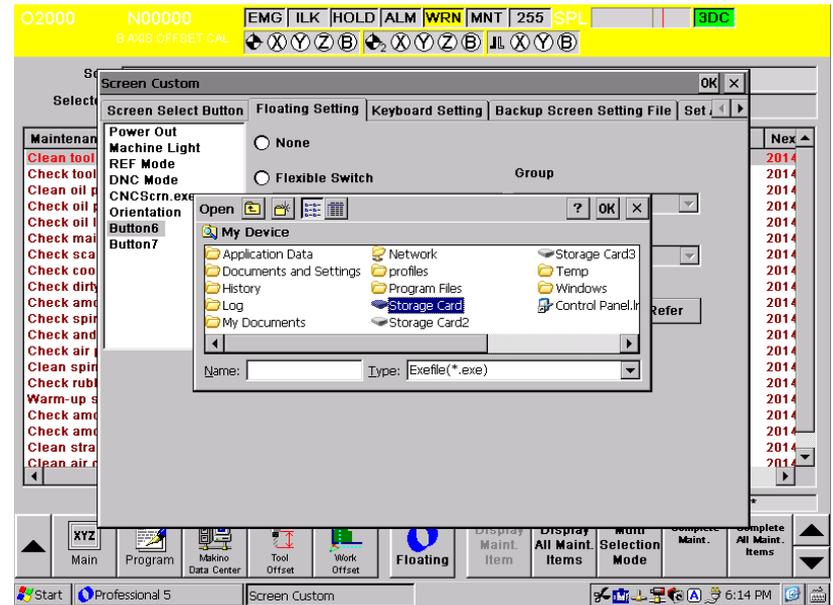
- Select an unused button from the list.

(In this example, "Button 6")

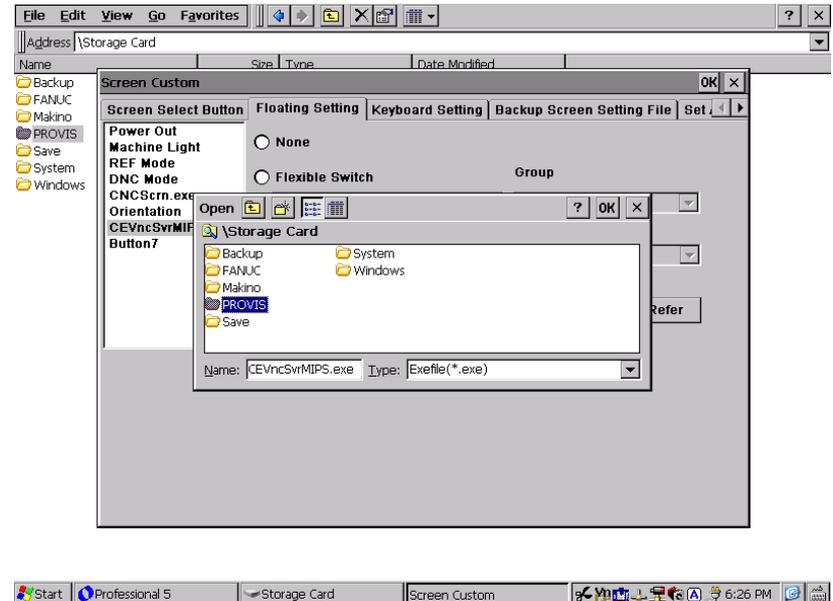
- Select Execute File
- Press Refer Button



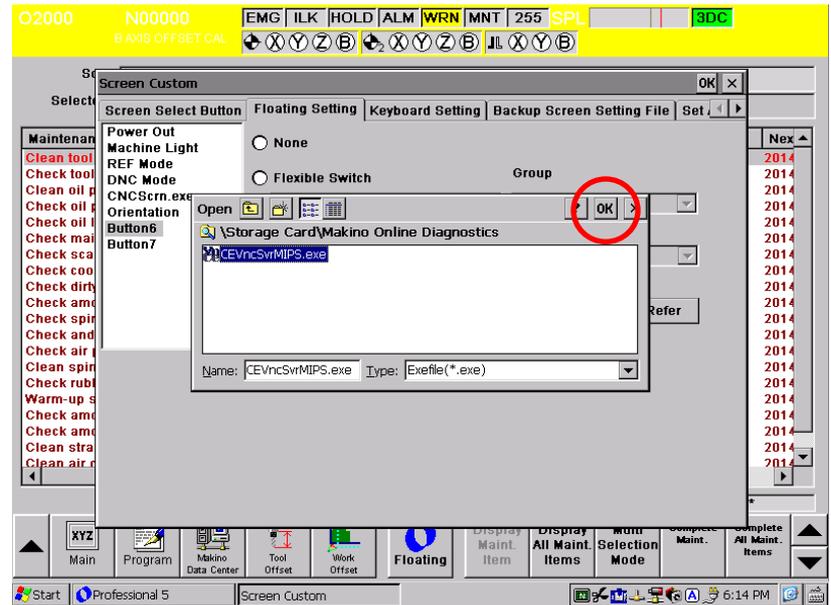
- Select Storage Card and open



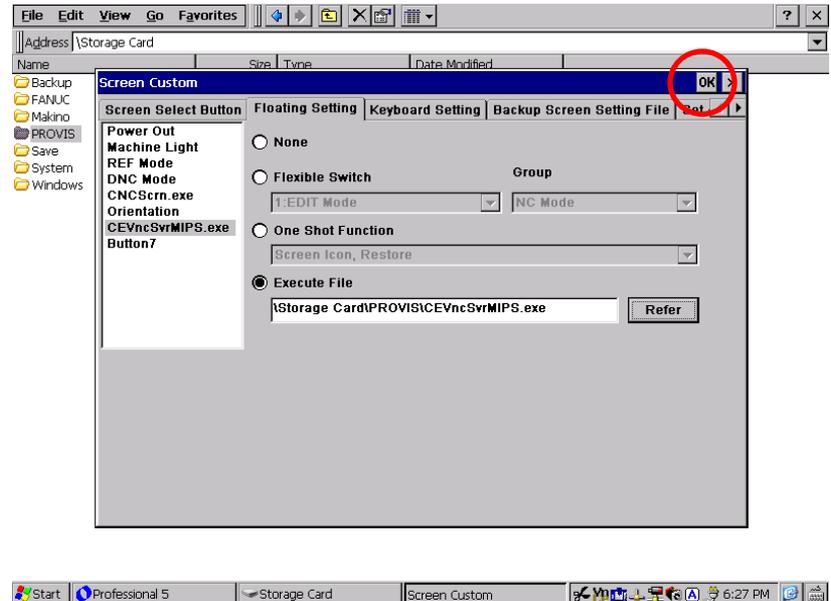
- Select PROVIS folder and open



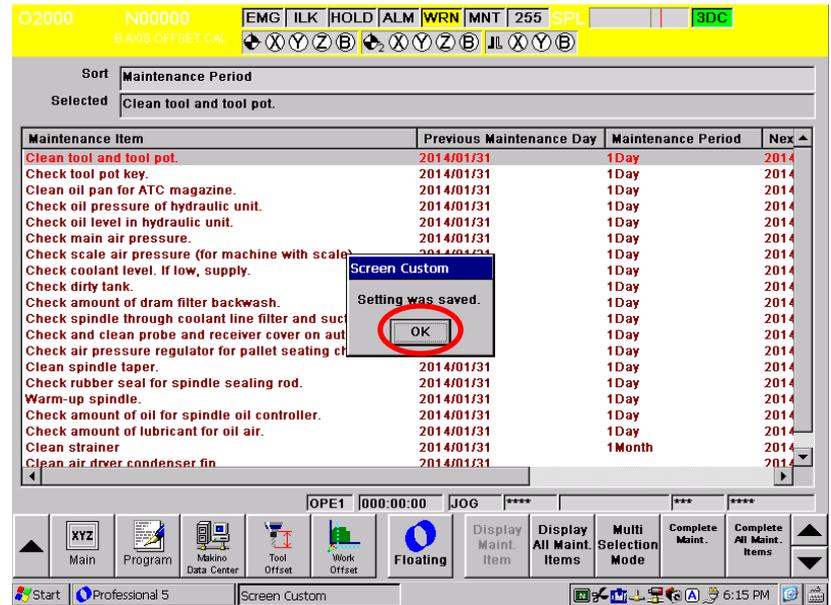
- Select the .exe file
- Press OK button



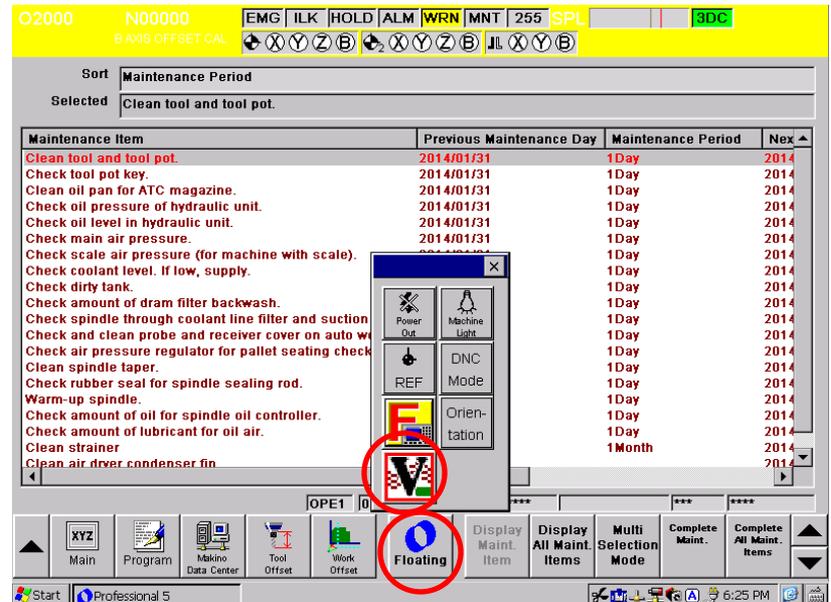
- Press OK button



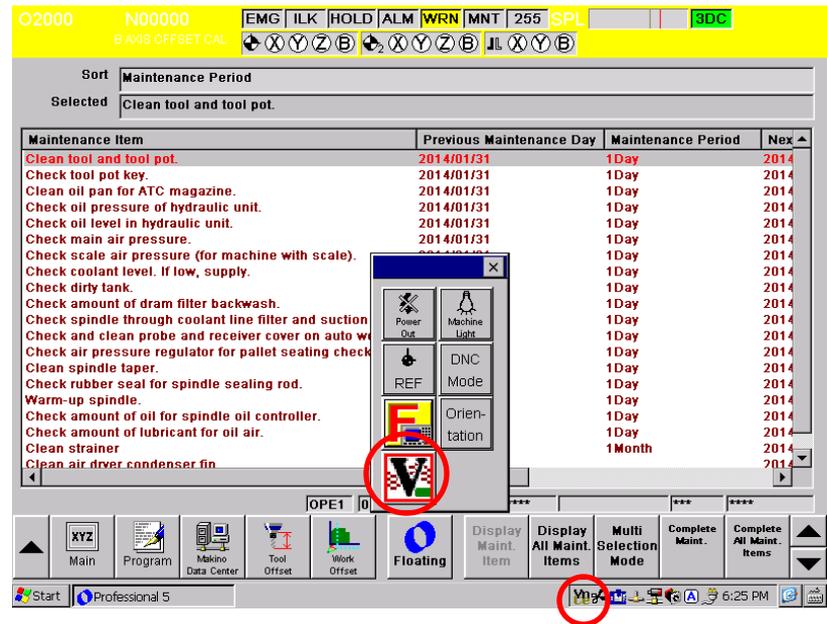
- “Setting Was Saved” message will pop up
- Press OK



- Power down machine
- Power machine up
- Press Floating soft key
- Confirm button with V is displayed on floating screen as pictured



- Press the V button on the Floating Screen.
- Make sure the VN CE icon pops up on system tray.



If your machine is already connected and configured with your local network (if you already have the ability to upload and download programs) skip to Step 3.

If your machine is part of an MMC, skip to Step 3 and use your Cell Controller computer for the rest of the installation process

If you are setting up a new network connection, or using a laptop to connect directly to the machine, proceed to Step 2.

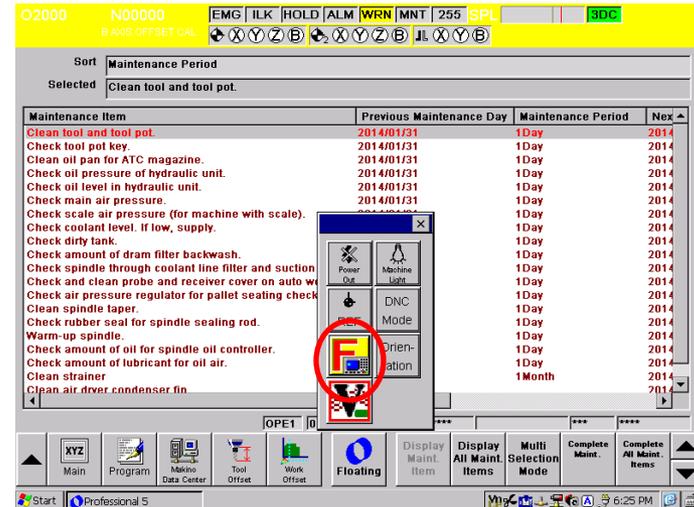
2. Connection Type

- If connecting to a laptop plugged directly into machine, proceed to Step 2a
- If connecting to a local network with static IP address skip to Step 2b
- If connecting to a local network with DHCP, skip to Step 2c

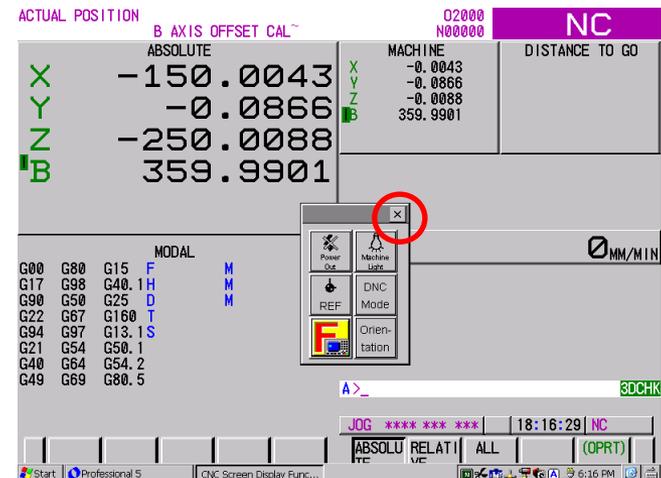
DHCP is a setting that lets the machine pull an IP address from the network it is plugged into automatically. To use this the machine must be plugged into a network that is capable of DHCP. The local IT department should be able to tell you the appropriate settings.

2a. Direct Connection to Laptop

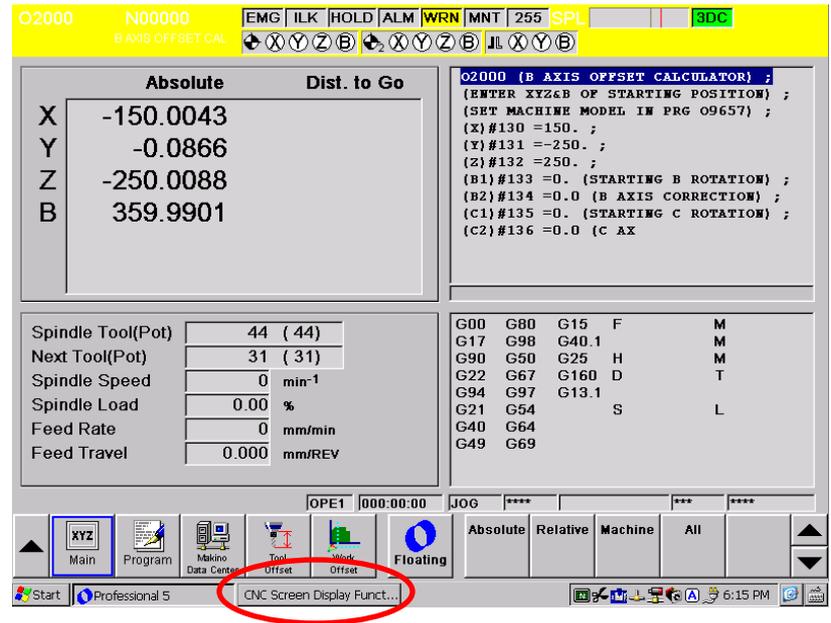
- Press Floating soft key
- Press Fanuc Button



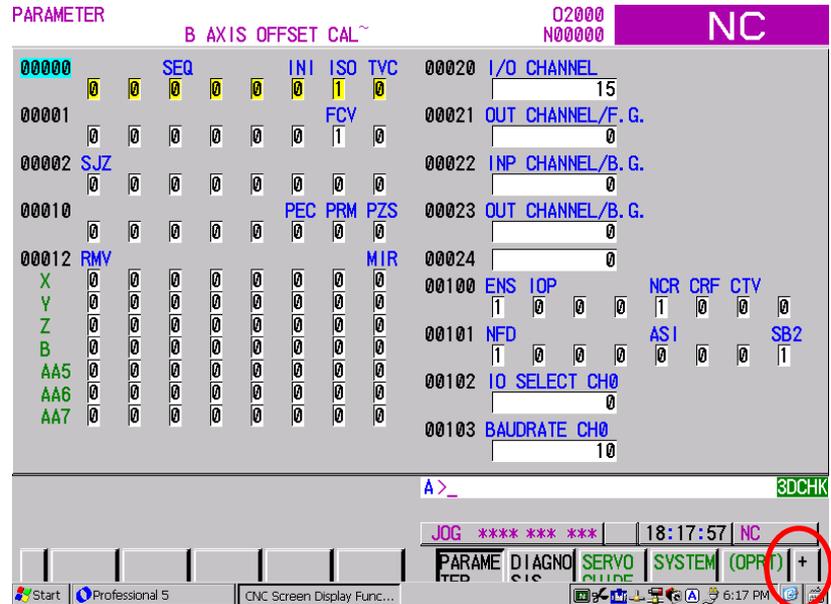
- Close Floating Screen



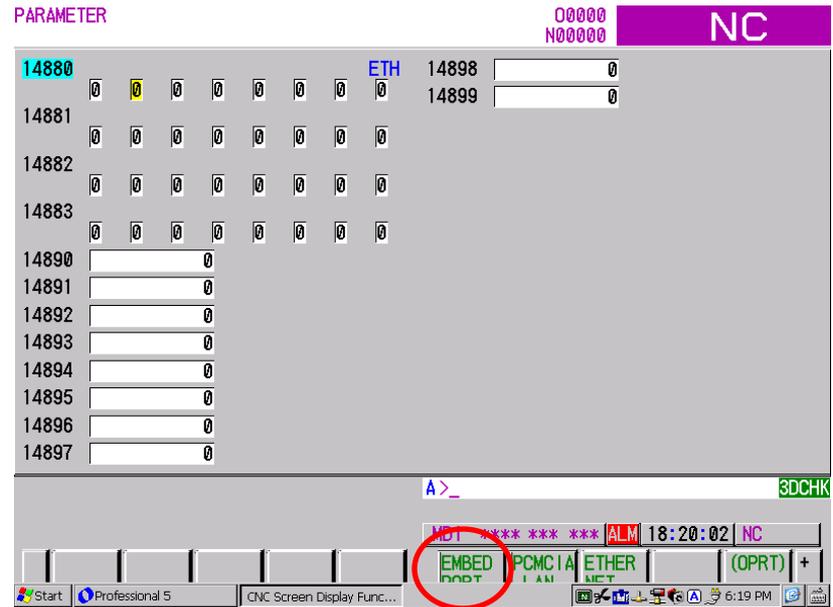
- Select 'CNC Screen Display Function' from toolbar



- Press 'System' button on Fanuc Keyboard
- Press '+' softkey until 'EMBED PORT' soft key is displayed

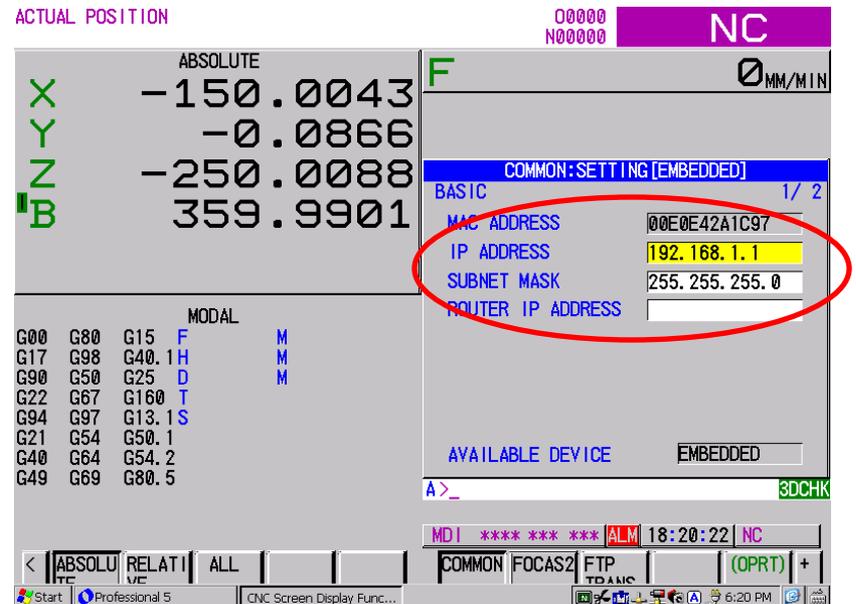


- Press 'EMBED PORT' soft key

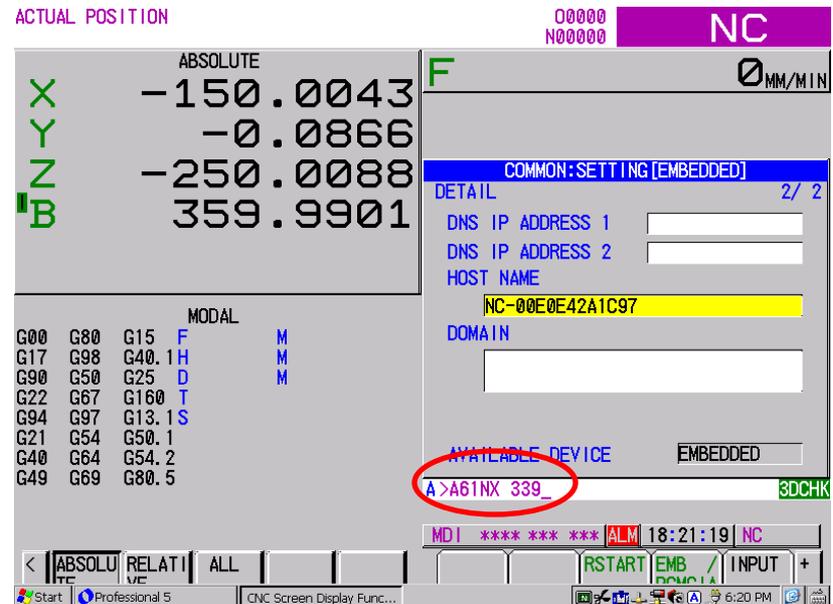
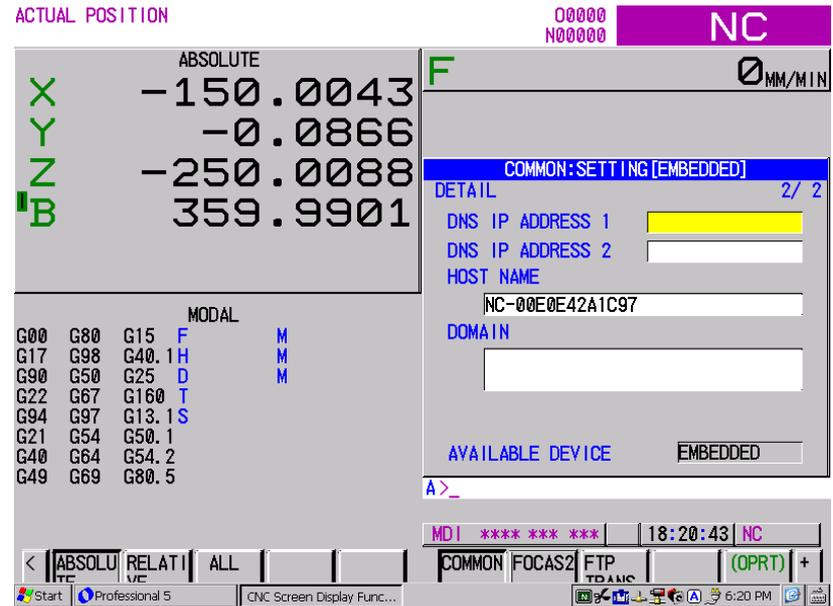


- Write Down IP address and Subnet Mask

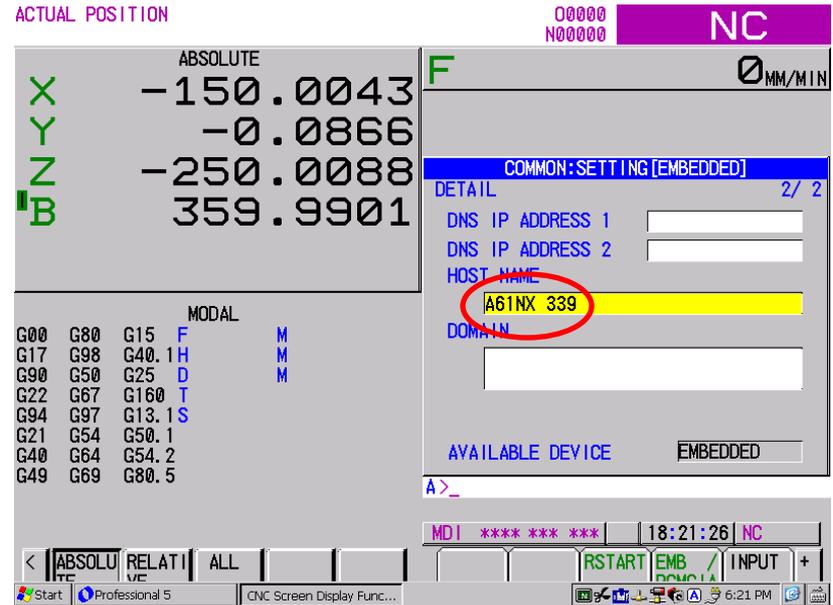
(If IP address and Subnet mask are blank, set as shown)



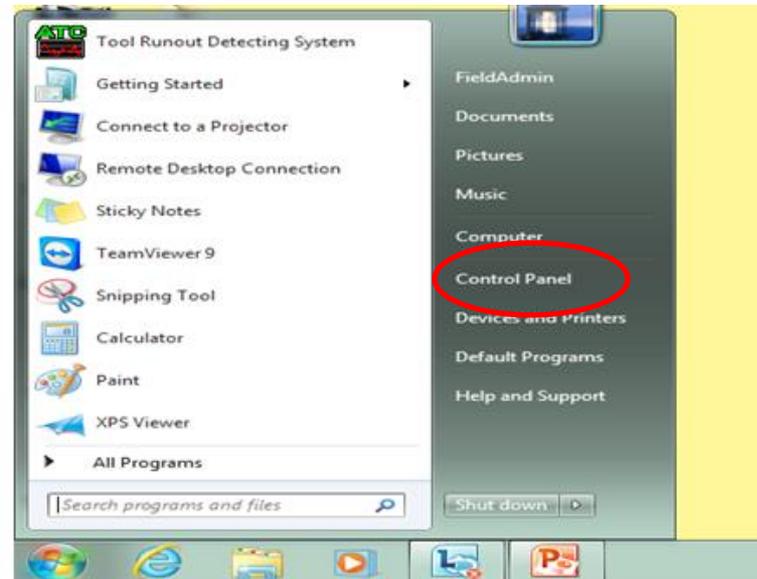
- Press 'Page Down' button until 'Host Name' field is displayed
- Select 'Host Name' field and type in appropriate host name
- If Machine is not in MMC then set Host Name as "Model (space) Serial number" (ex. "A51 1423"). If machine is in MMC, then machines will be named MCW001, MCW002, etc. If customer has their naming convention that they require then we can use that, but "Model (space) Serial Number" is preferred.



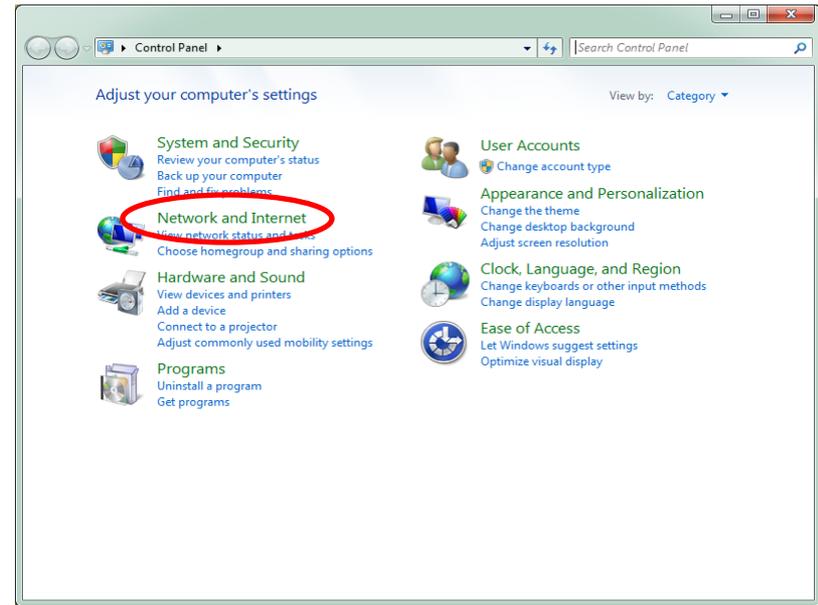
- Press 'INPUT' soft key and confirm the Host Name was saved.



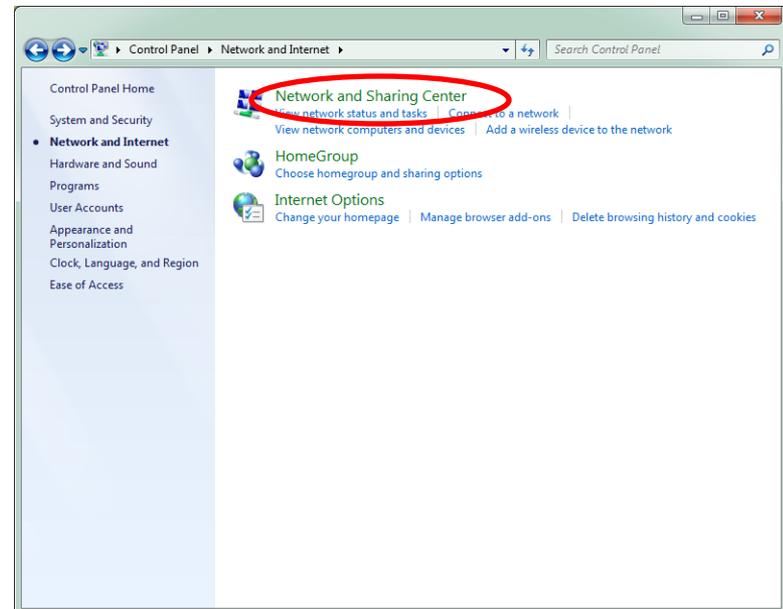
- Go back to the Laptop
- Open Start Menu > Control Panel



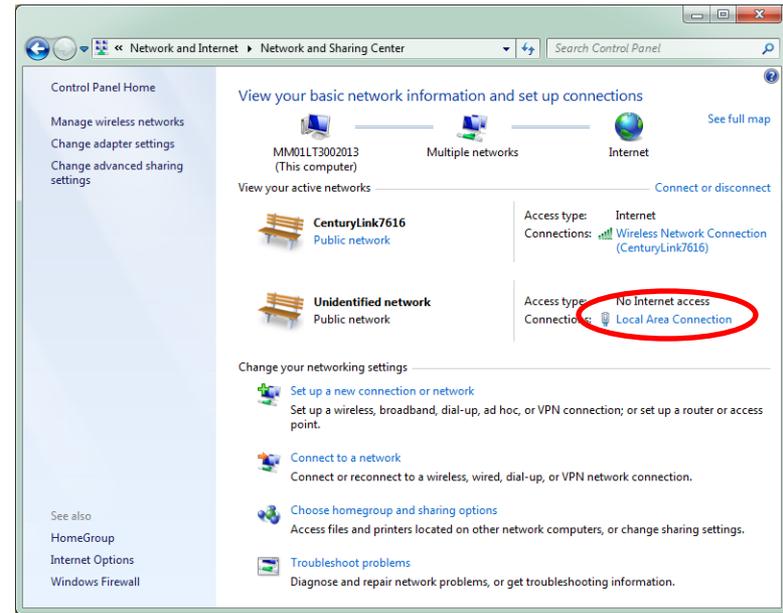
- Select 'Network and Internet'



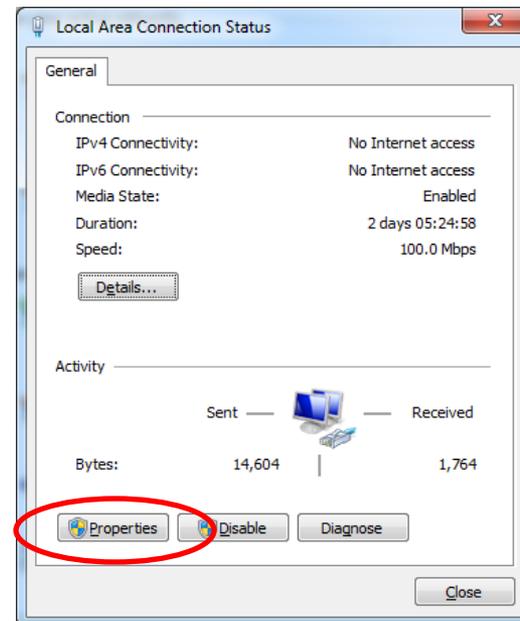
- Select 'Network and Sharing Center'



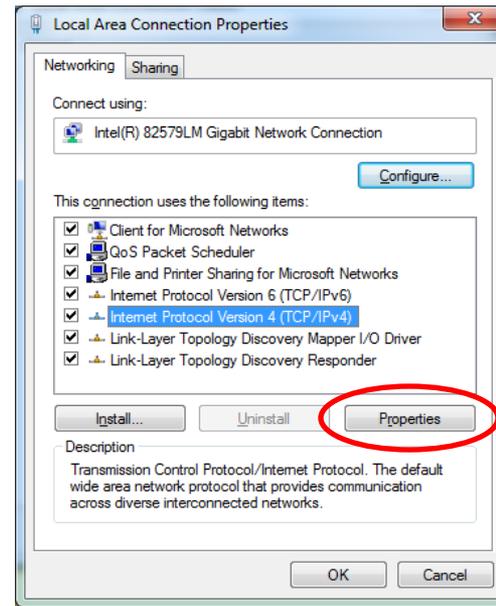
- Select 'Local Area Connection'



- Click 'Properties'

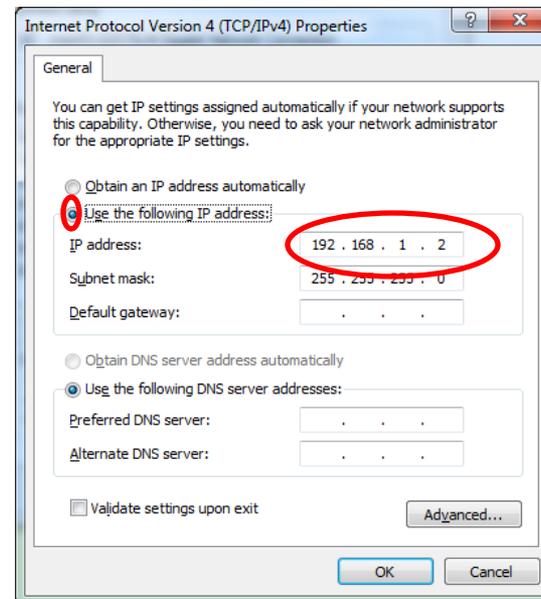


- Select 'Internet Protocol Version 4 (TCP/IPv4)'
- Click 'Properties'

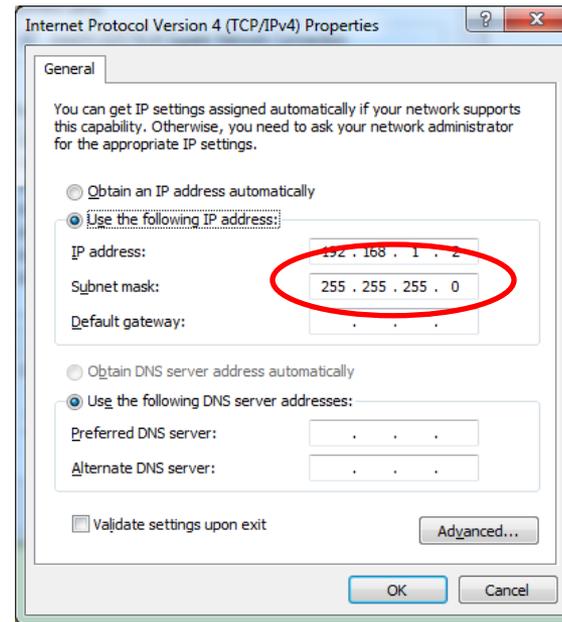


- Select 'Use the Following IP address'
- Enter IP address to match machines*

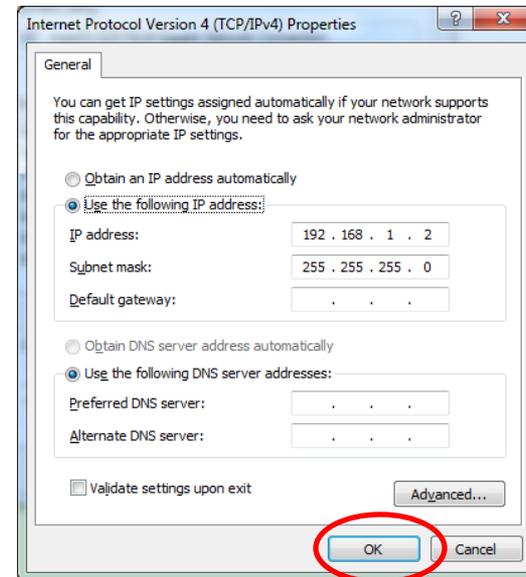
***NOTE:** last digit of IP address must be different than the Machine's IP address, but the rest of the numbers must match



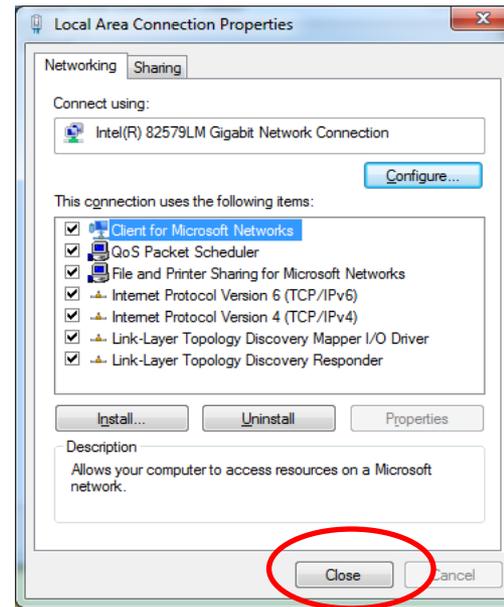
- Enter Subnet Mask to match machine's.



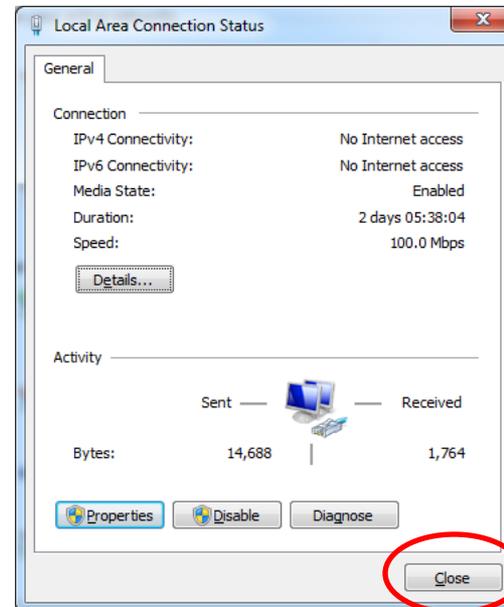
- Click OK



- Click Close



- Click Close



- Run a Crossover Ethernet Cable from the laptop into the Ethernet port in the Machine's Electrical Cabinet.

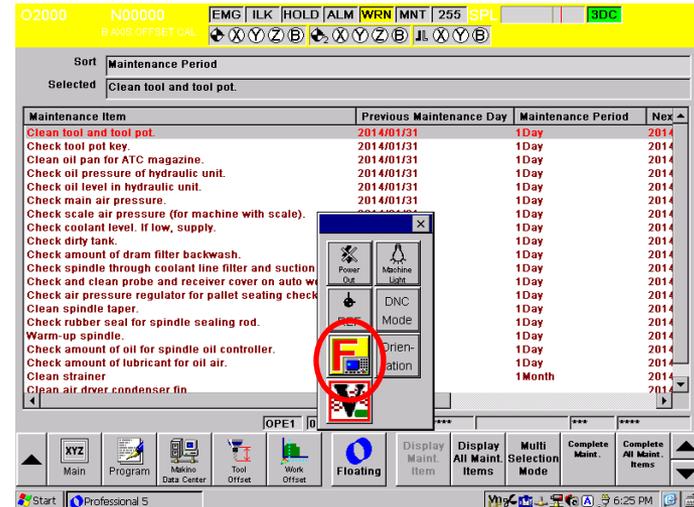
NOTE: Standard Ethernet cable will not work, must be crossover cable or have crossover adapter.

- Skip to Step 3

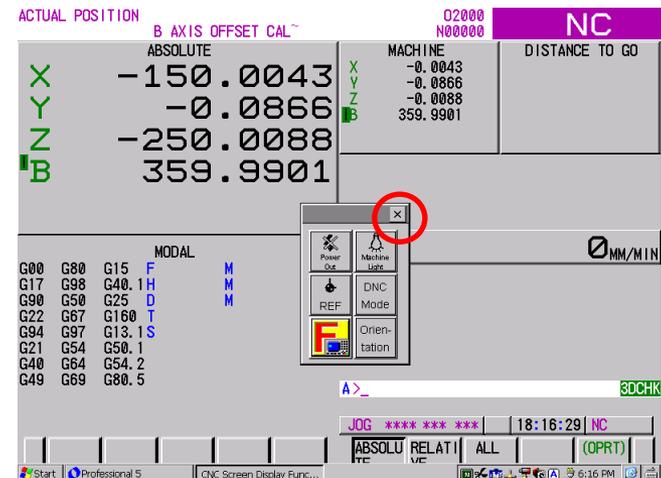
Note: To connect your laptop to other networks again later, you will have to go back and change the laptop's IP settings to what they were previously. Most likely, 'Obtain IP address Automatically' was the initial setting.

2b. Connecting to Local Network with Static IP address

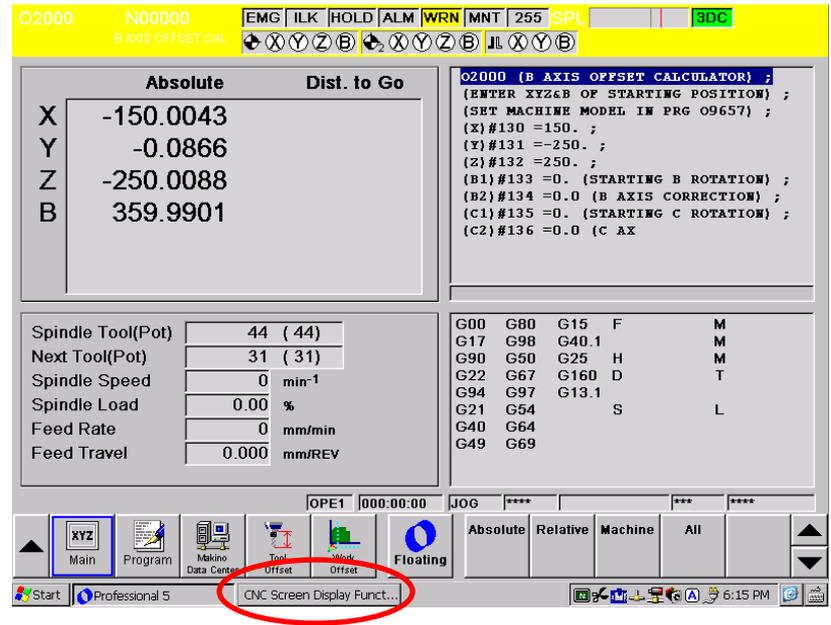
- Press Floating soft key
- Press Fanuc Button



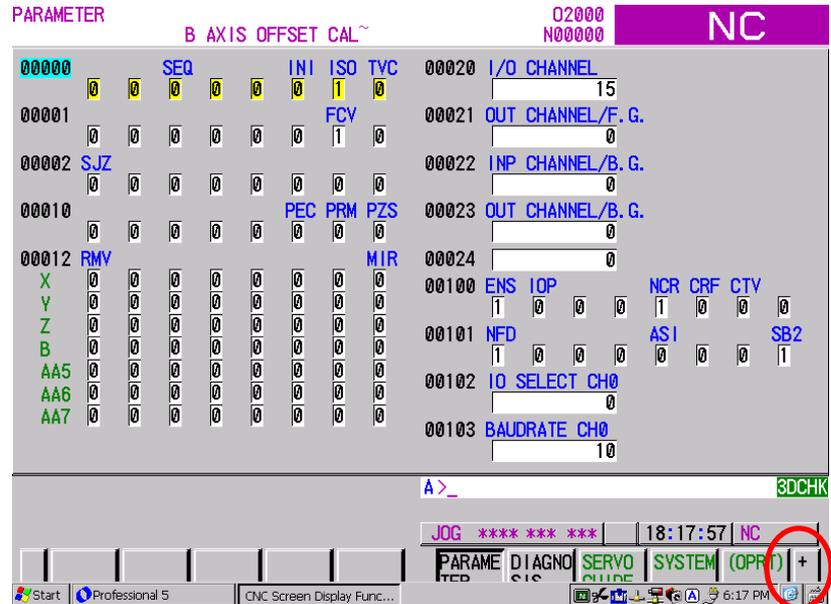
- Close Floating Screen



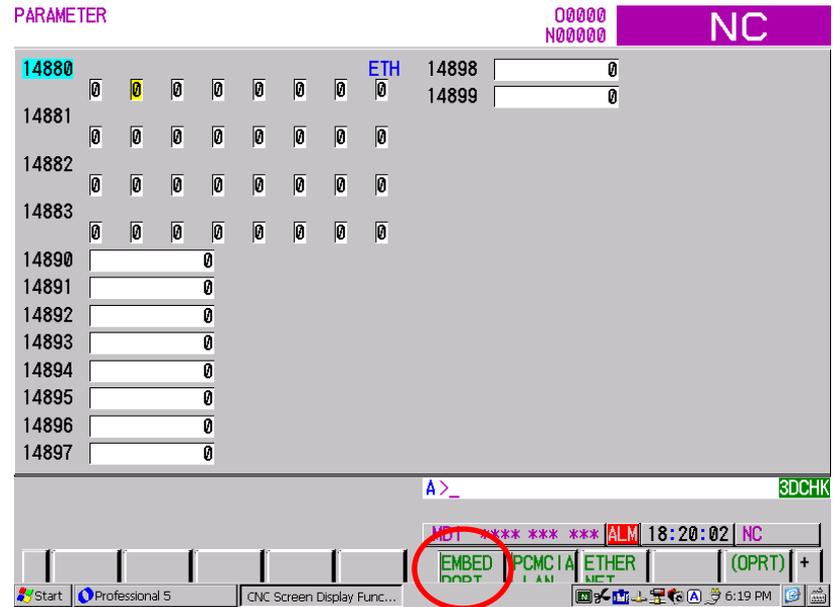
- Select CNC Screen Display Function from toolbar



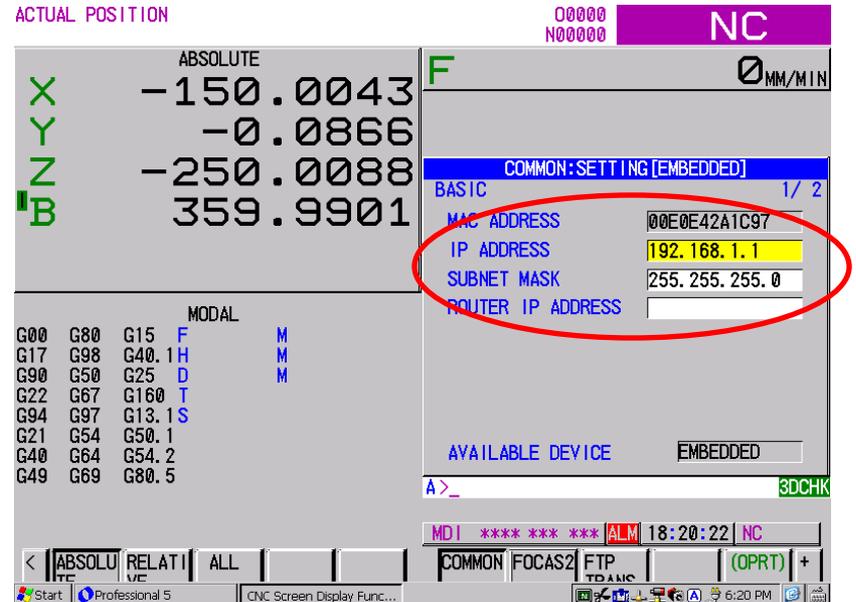
- Press 'System' button on Fanuc Keyboard
- Press '+' soft key until 'EMBED PORT' soft key is displayed



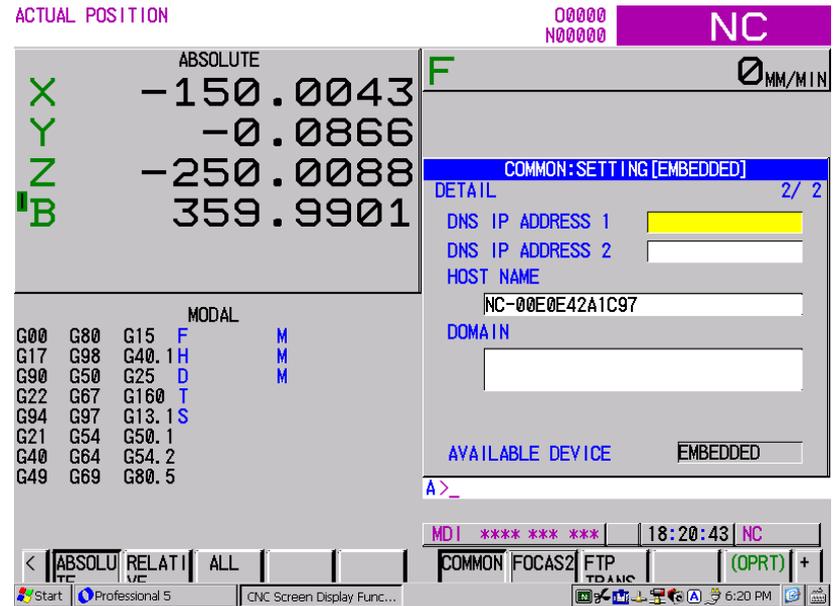
- Press 'EMBED PORT' soft key



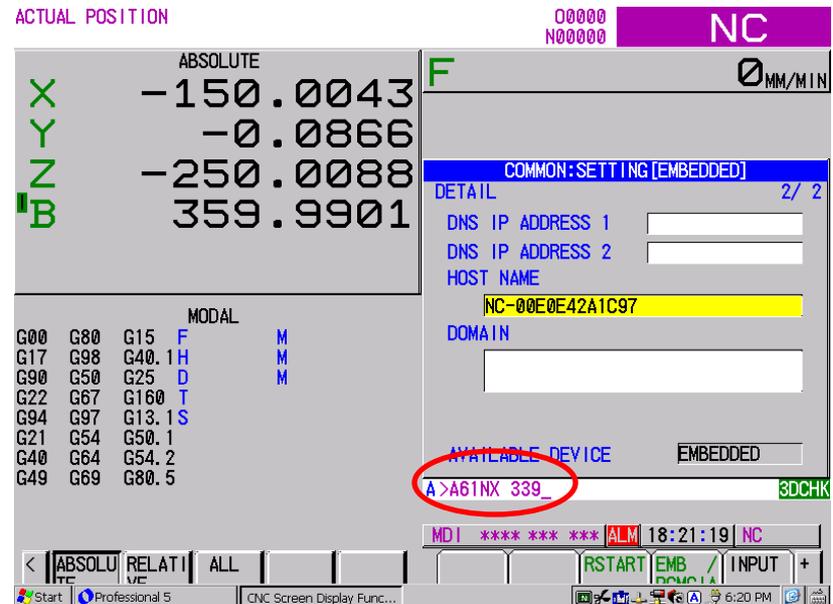
- Enter IP address and subnet mask as provided by local IT department



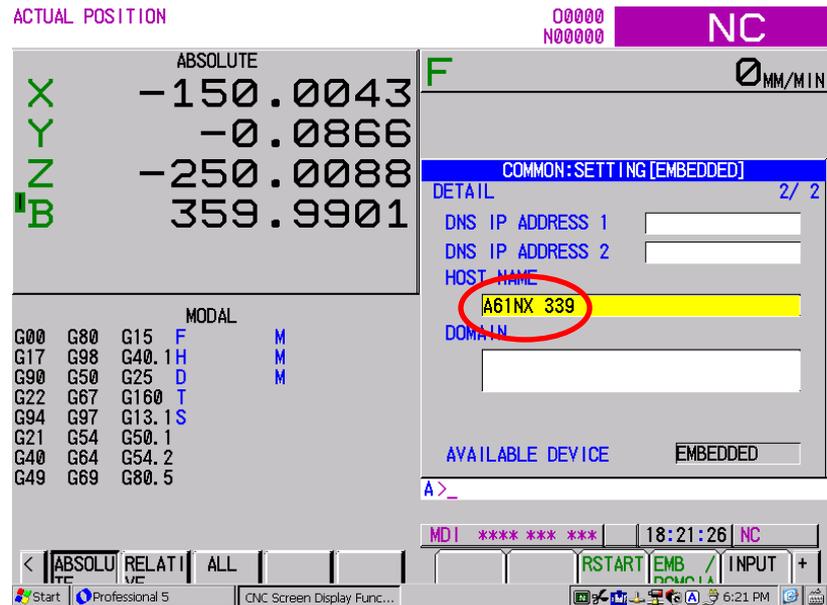
- Press Page Down button until 'Host Name' field is displayed
- Select Host Name box and type in appropriate host name



- If Machine is not in MMC then set Host Name as “Model (space) Serial number” (ex. “A51 1423”). If machine is in MMC, then machines will be named MCW001, MCW002, etc. If customer has their naming convention that they require then we can use that, but “Model (space) Serial Number” is preferred.



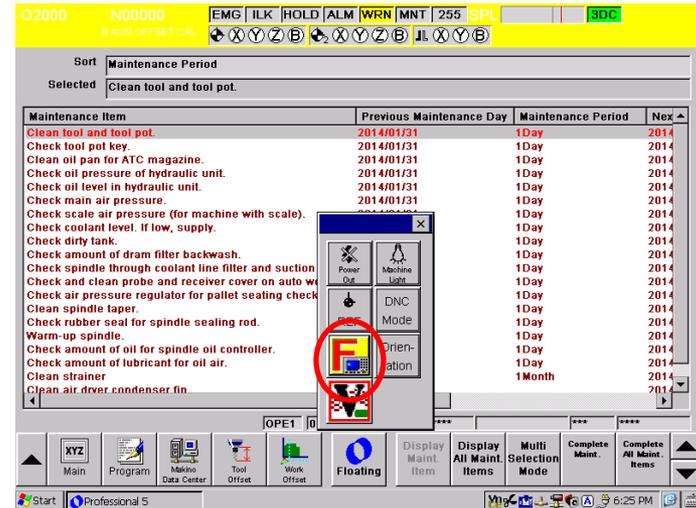
- Press 'INPUT' soft key and confirm the Host Name was saved.



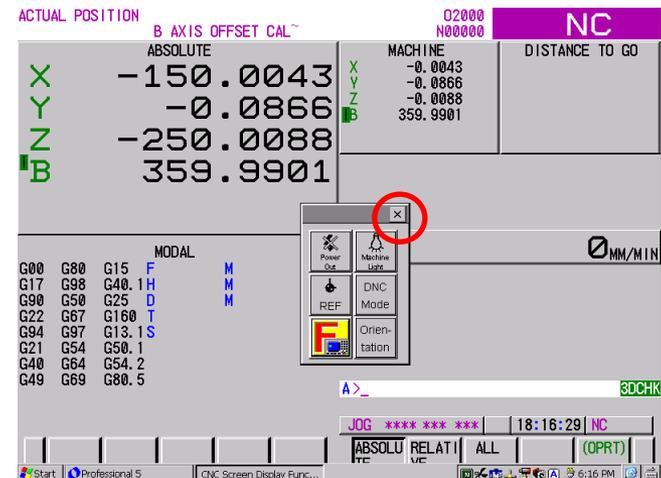
- Run an Ethernet cable from the local network to the Ethernet port in the Machine's Electrical Cabinet.
- Skip to Step 3

2c. Connecting to Company Network Using DHCP

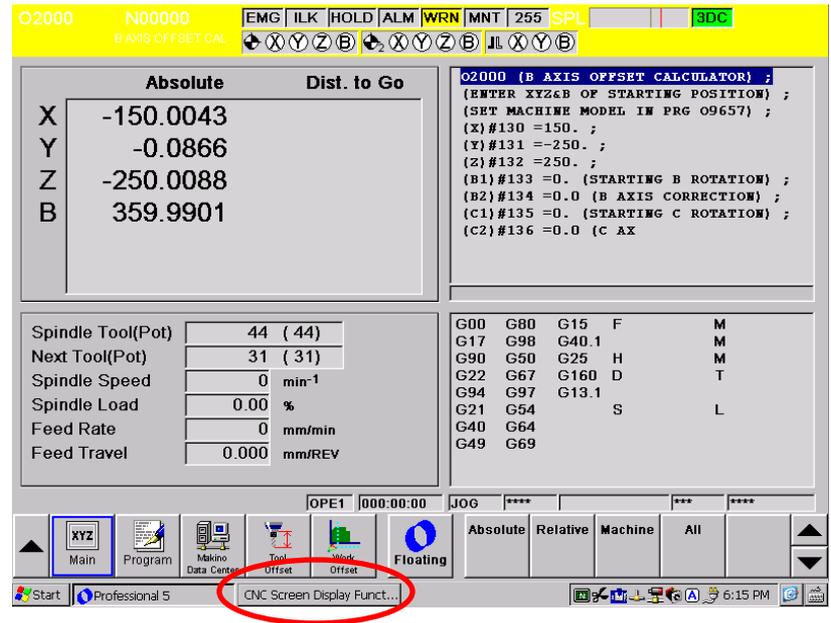
- Press Floating soft key
- Press Fanuc button



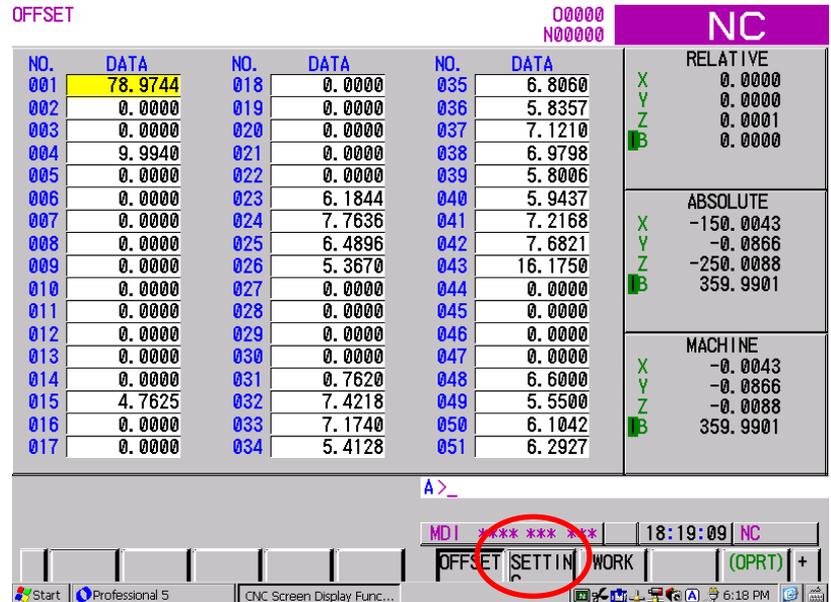
- Close Floating Screen



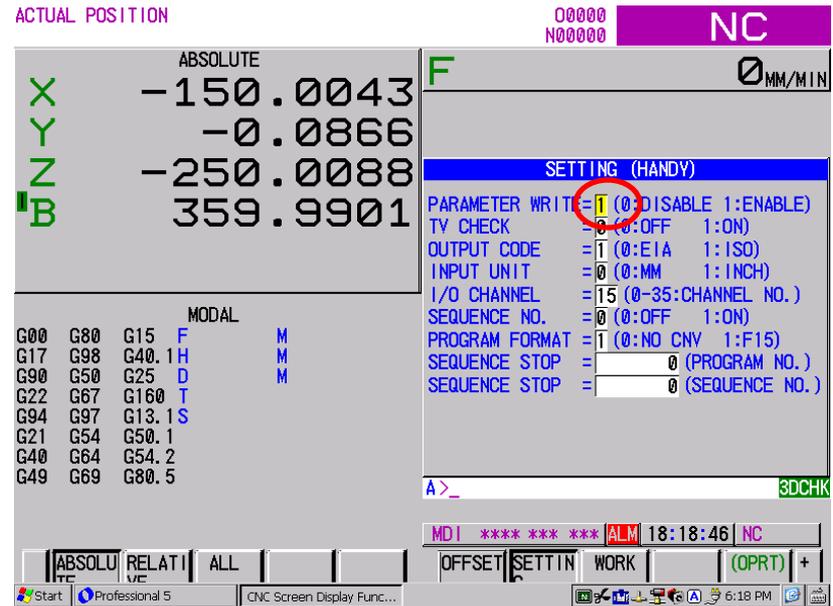
- Select 'CNC Screen Display Function' from toolbar



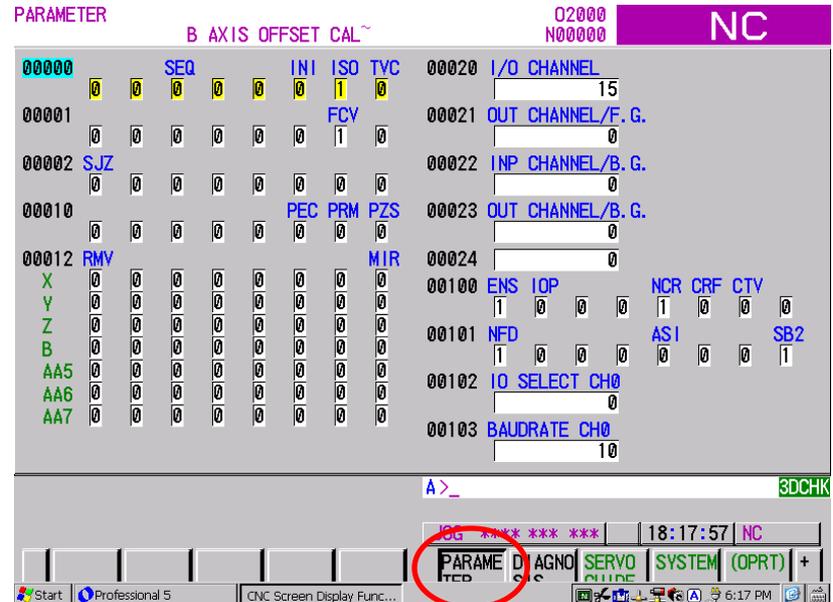
- Press 'OFS/SET' Button on Fanuc Keyboard
- Press 'SETTING' soft key



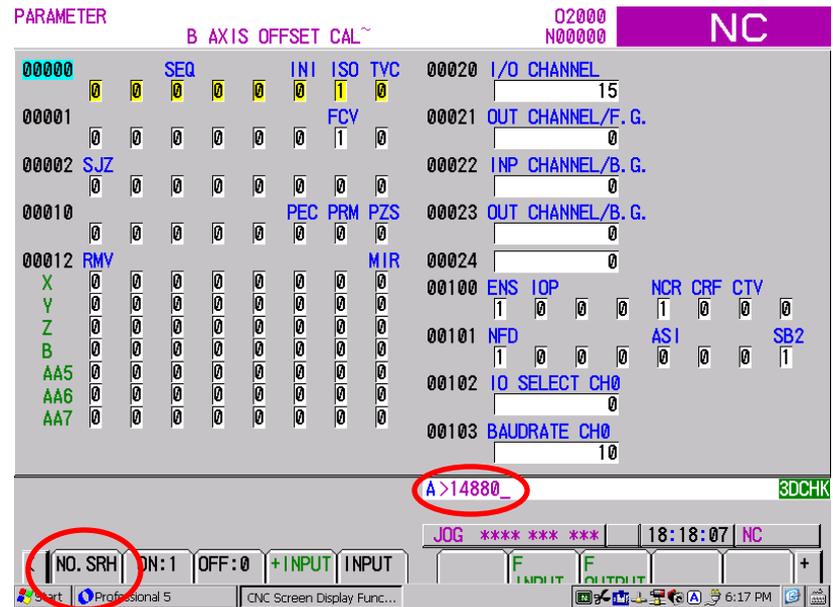
- Change 'PARAMETER WRITE' to 1 for Enable



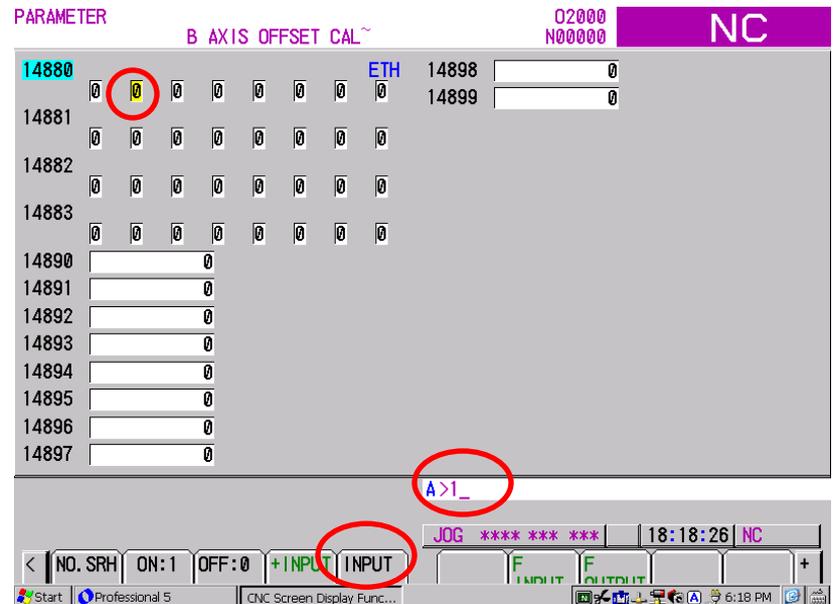
- Press 'SYSTEM' button on Fanuc Keyboard
- Press 'PARAMETER' soft key



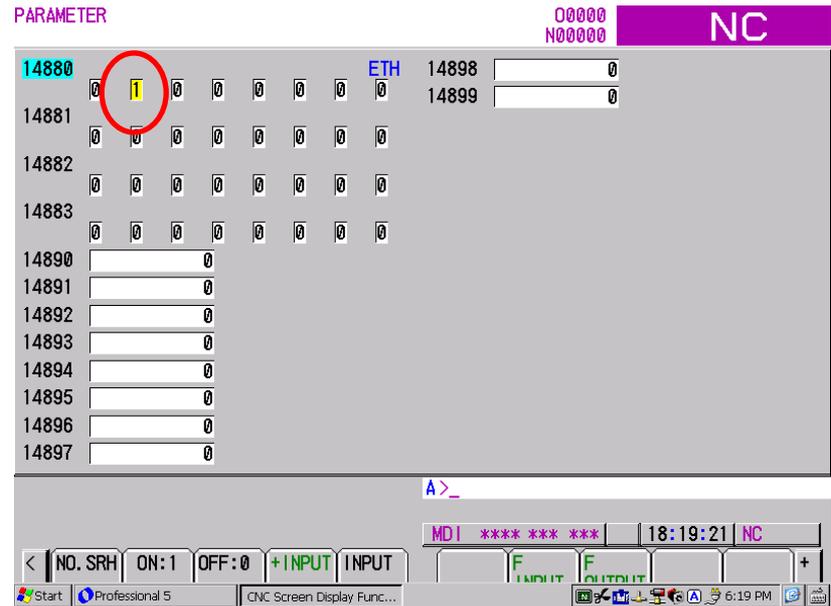
- Enter “14880”
- Press ‘NO. SRH’ soft key



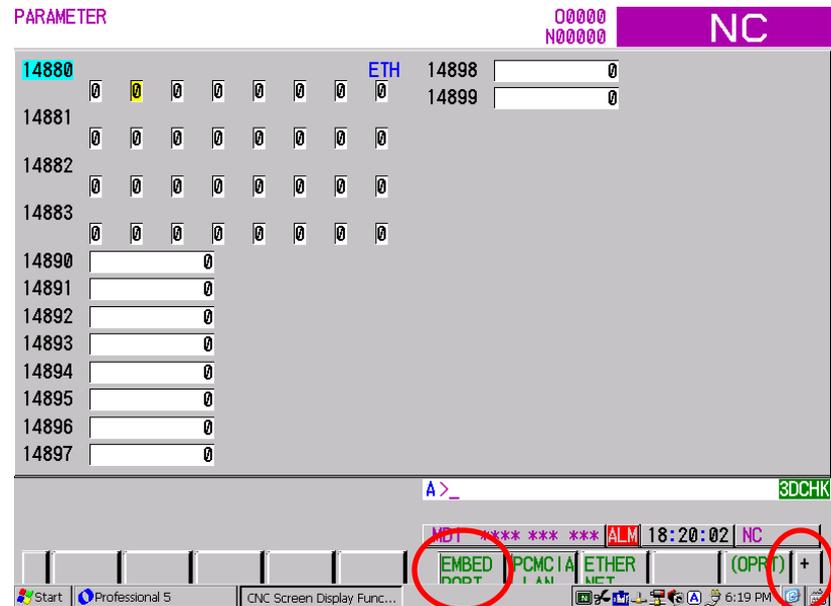
- Select bit 6 of parameter 14880
- Enter “1” and then press ‘INPUT’ soft key



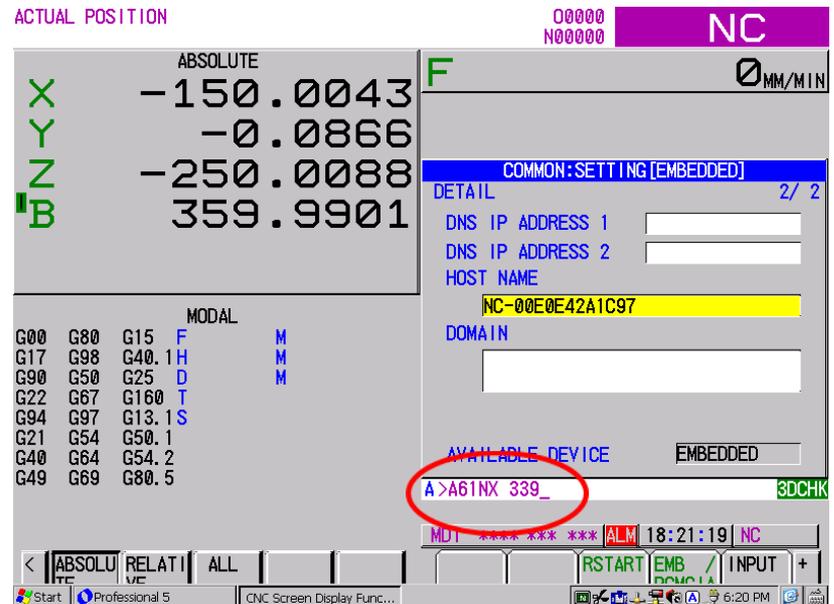
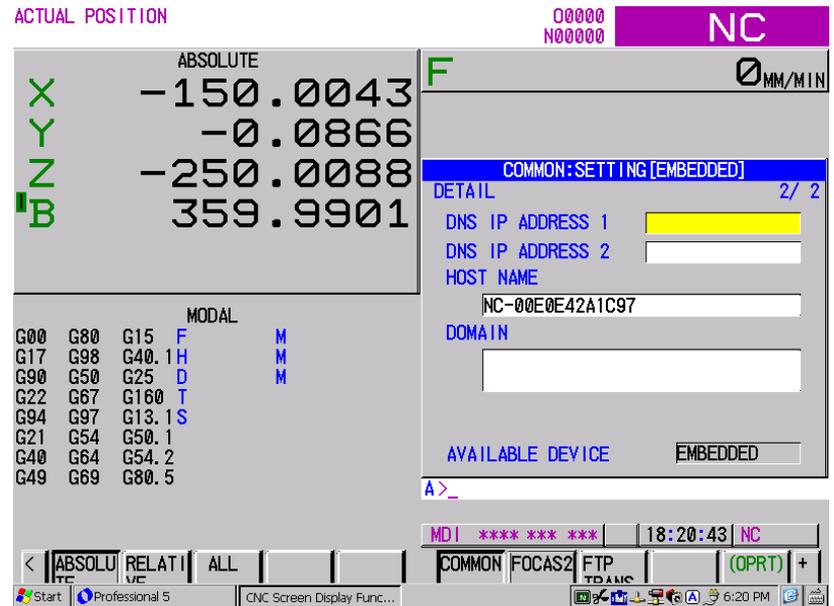
- Verify setting



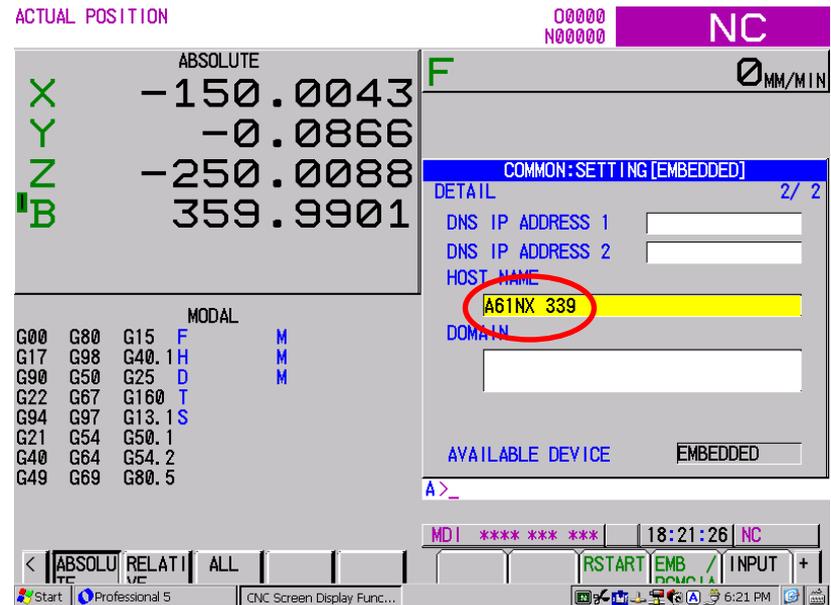
- Press '+' soft key until 'EMBED PORT' soft key is displayed
- Press 'EMBED PORT' soft key



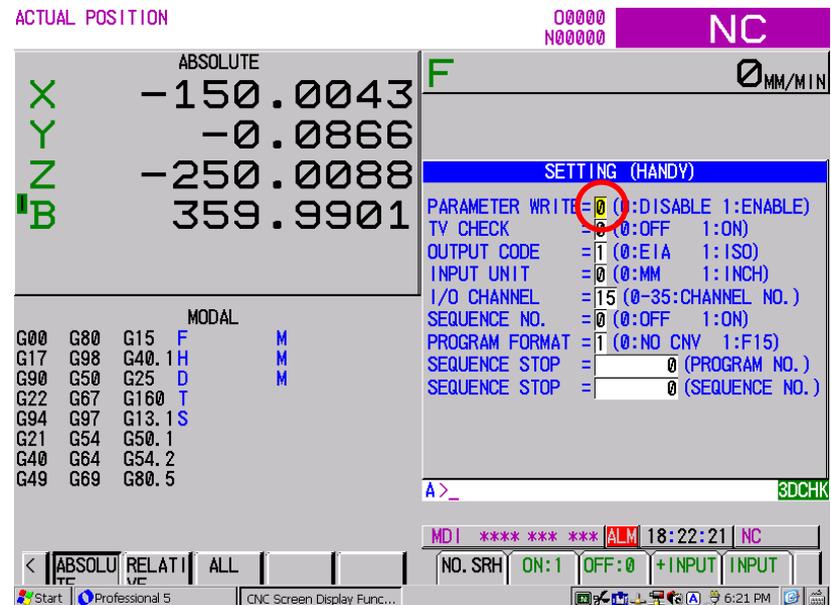
- Press Page Down button until 'Host Name' field is displayed
- Select 'Host Name' field and typed in appropriate host name.
- If Machine is not in MMC then set Host Name as "Model (space) Serial number" (ex. "A51 1423"). If machine is in MMC, then machines will be named MCW001, MCW002, etc. If customer has their naming convention that they require then we can use that, but "Model (space) Serial Number" is preferred.



- Press 'Input' soft key and confirm the Host Name was saved.



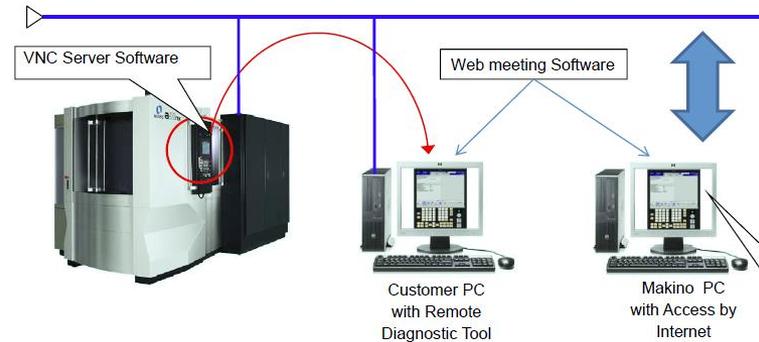
- Press 'OFS/SET' button on Fanuc Keyboard
- Change "PARAMETER WRITE' to 0 for Disable



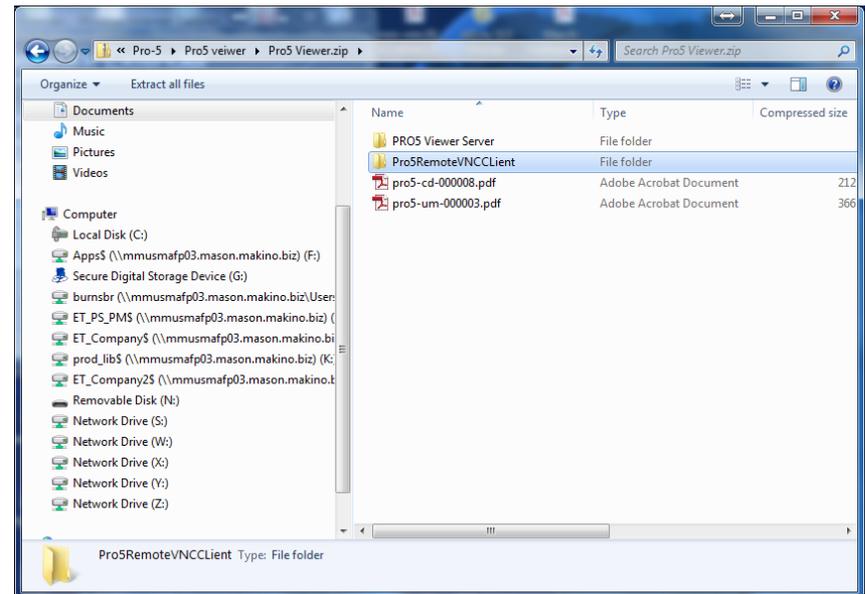
- Power the machine down and plug the Ethernet cable in the MTC.
- Power up the machine. Machine will obtain IP settings from the DHCP Server.

3. Install MOD Software

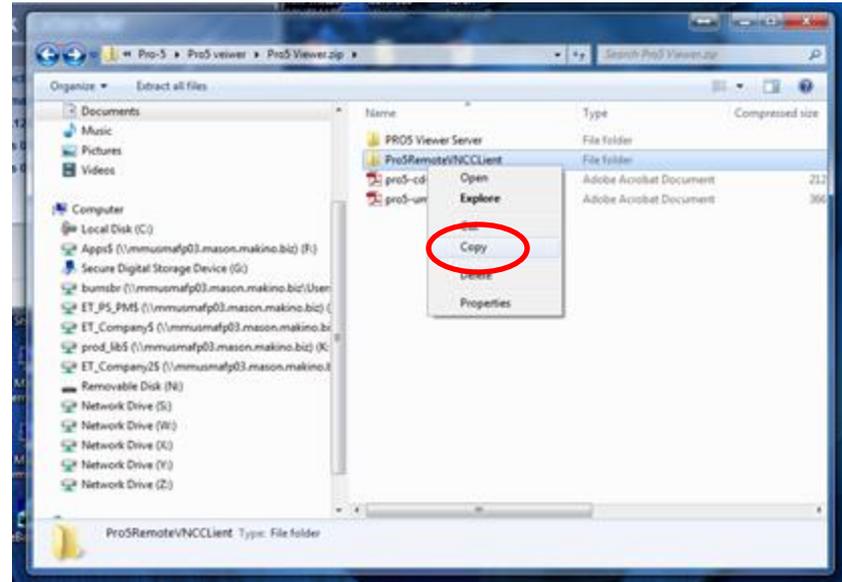
- This software is required on either the Laptop plugged directly into the machine or a PC on the same network and the machine is connected to



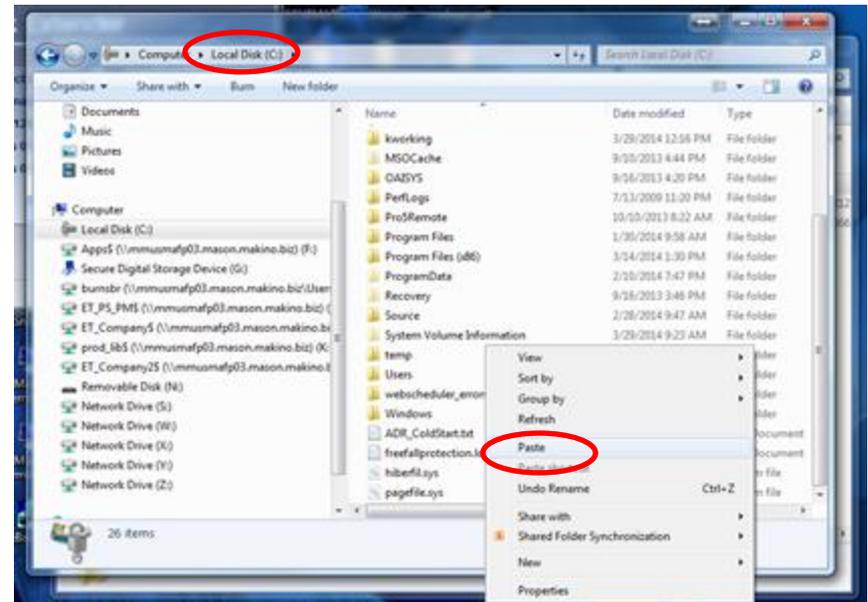
- Return to the PC and select 'Pro5Remote VNCClient' folder from the 'PROVis.zip' file



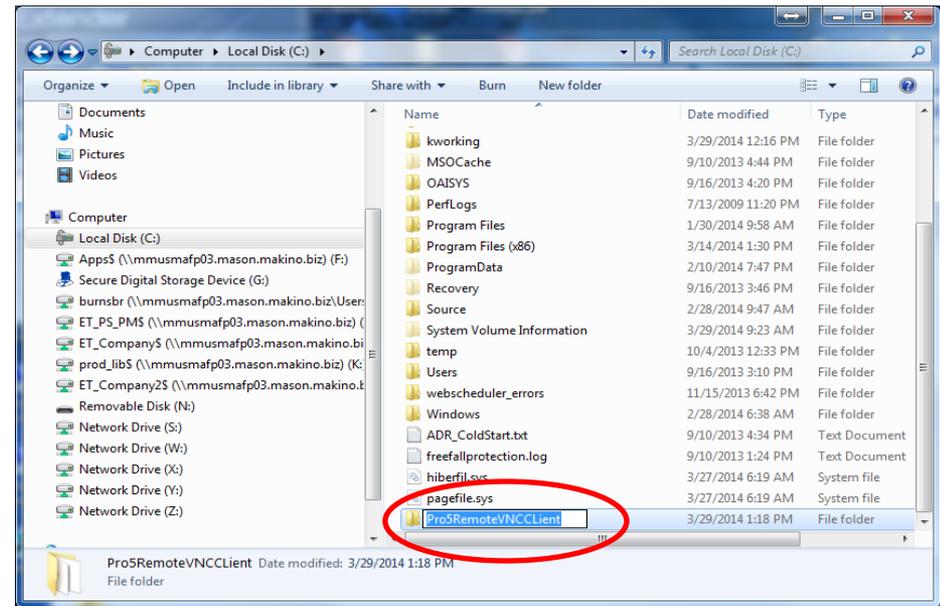
- Right-click on the folder and select Copy



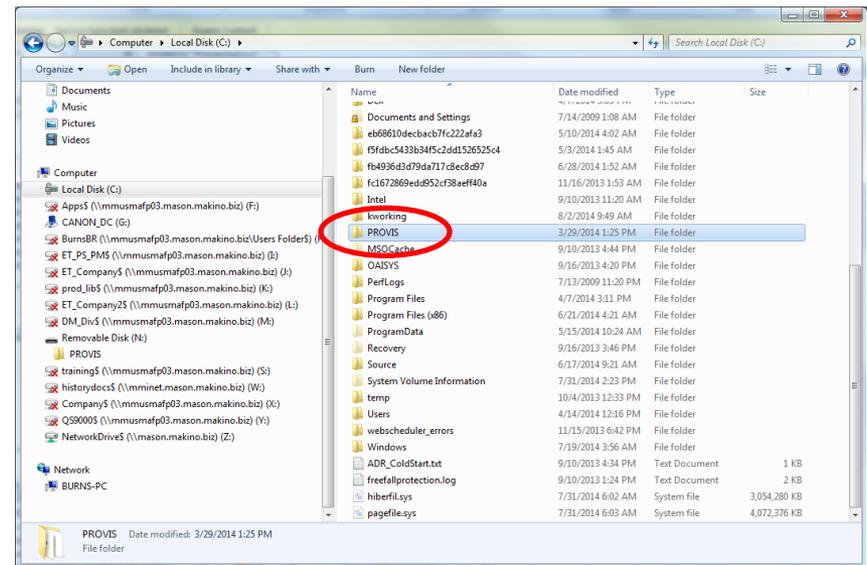
- Go to the Local Disk (often labeled as the C: drive)
- Right-click and select Paste



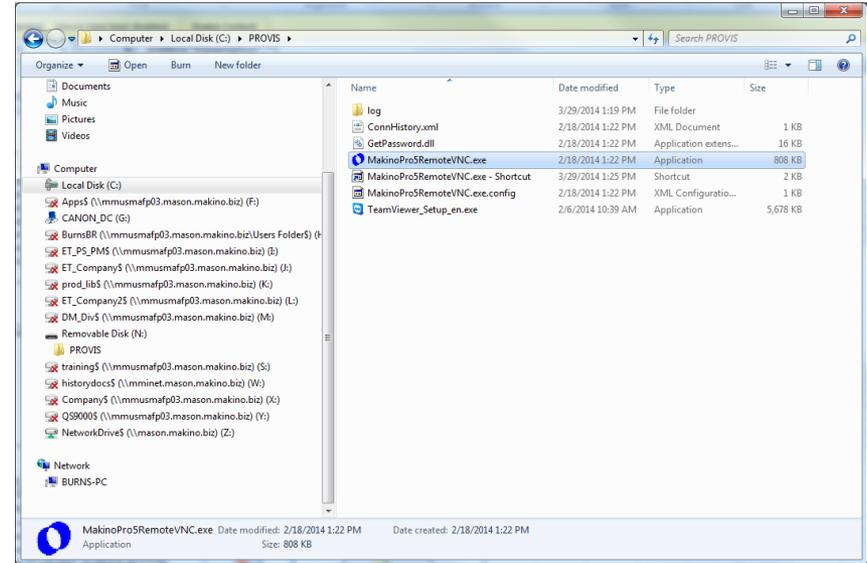
- Right-click on the folder and select Rename



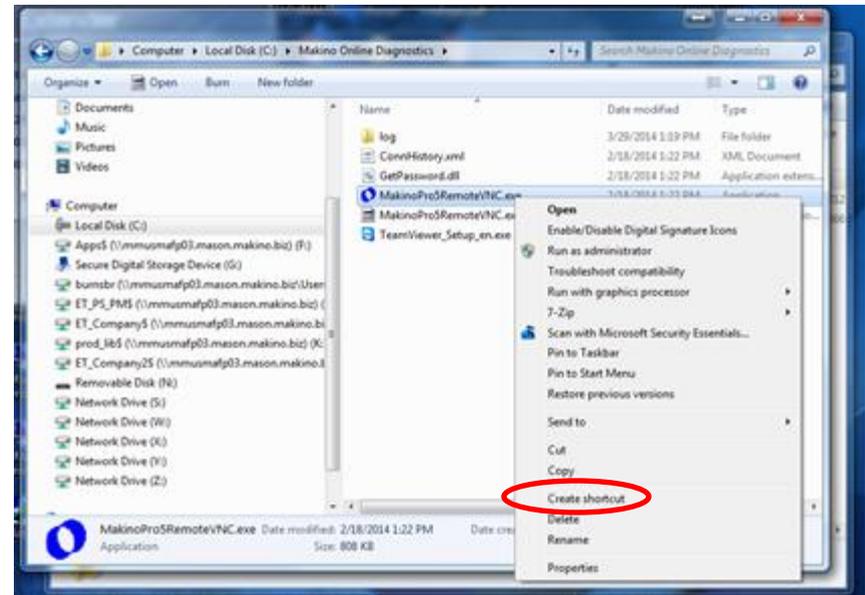
- Rename Folder 'PROVIS'



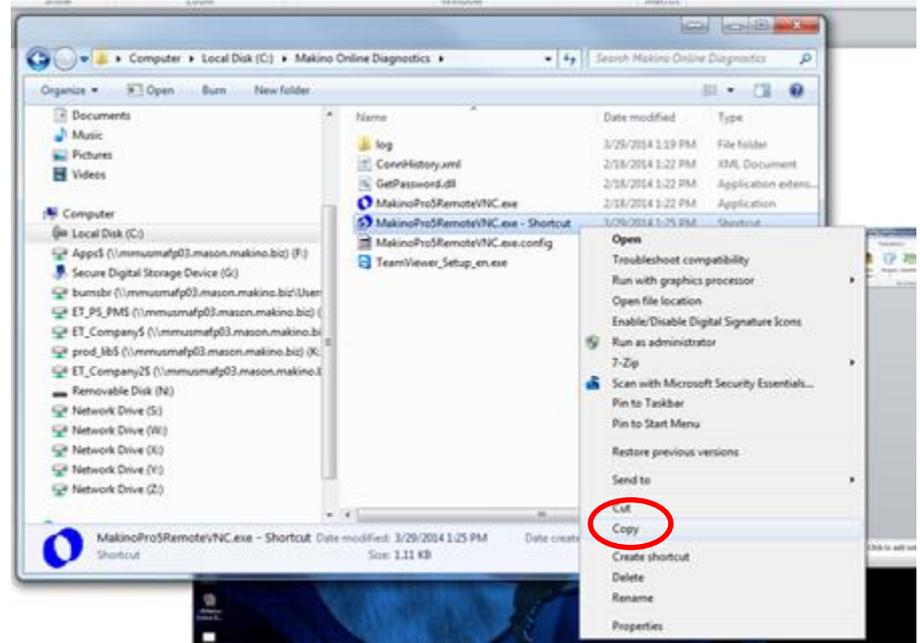
- Open 'PROVIS' folder



- Right-click on file 'MakinoPro5RemoteVNC.exe' and select 'Create shortcut'



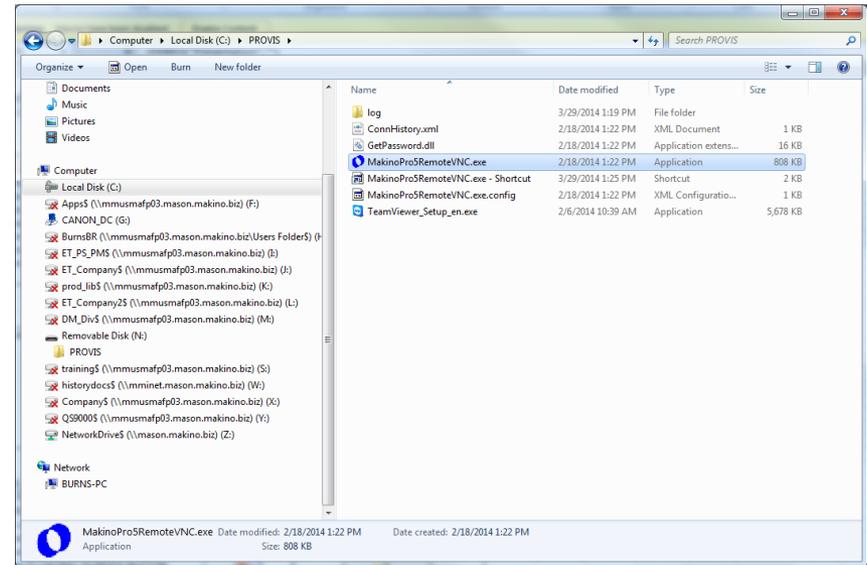
- Right-click on the shortcut file and select Copy



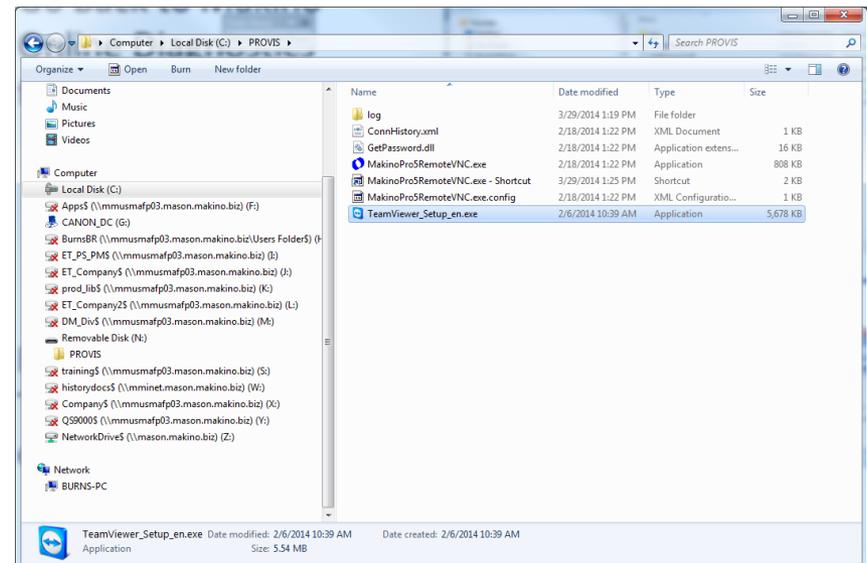
- Paste to Desktop



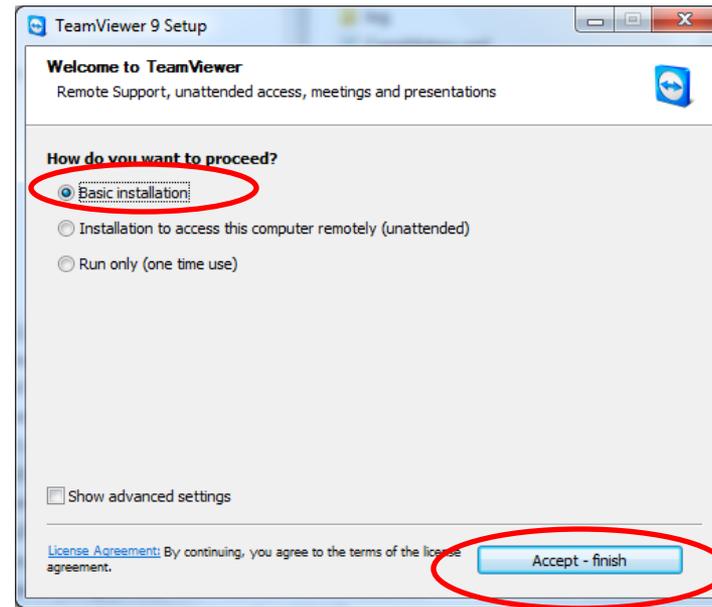
- Go Back to 'PROVIS' Folder on the Local Disk



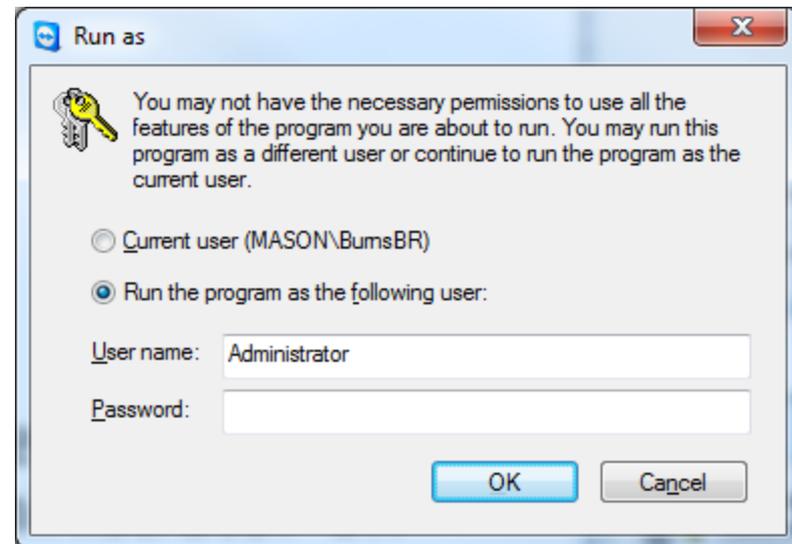
- Run 'TeamViewer_Setup_en.exe'



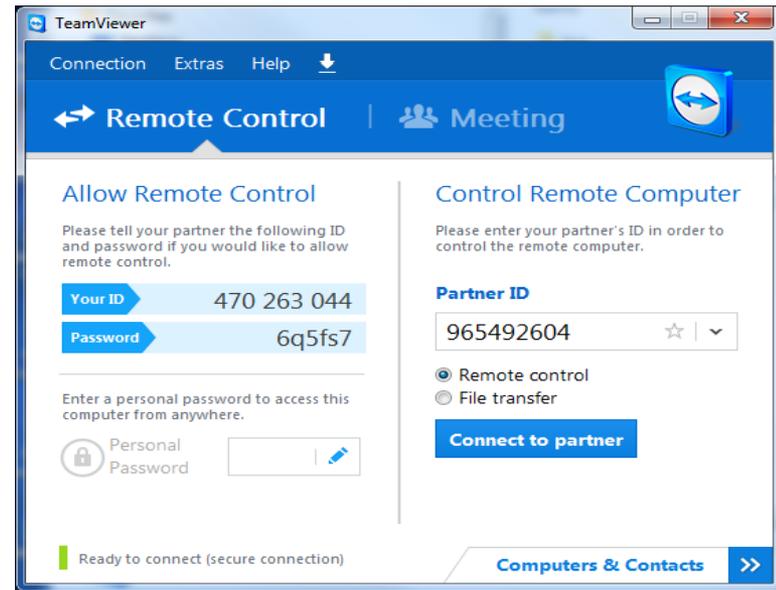
- Select Basic installation
- Select Accept-finish



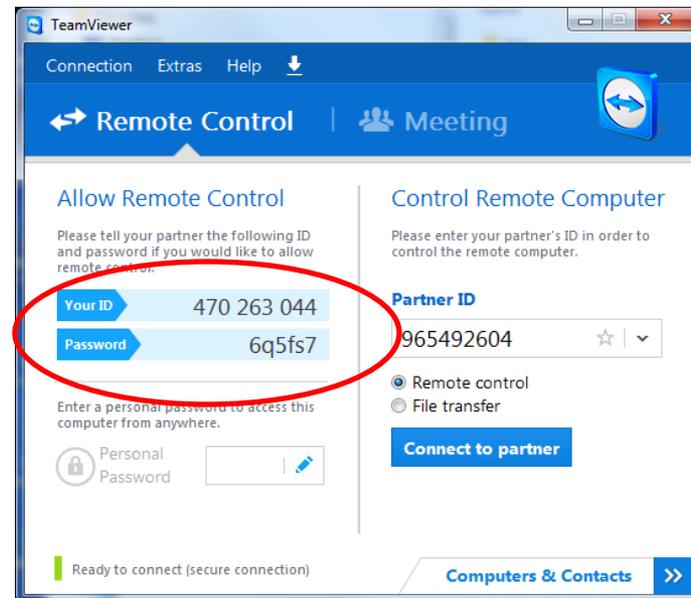
- You will need to run this as an Administrator on the PC. Contact the IT department if you are not the administrator. You only need to be administrator for this installation



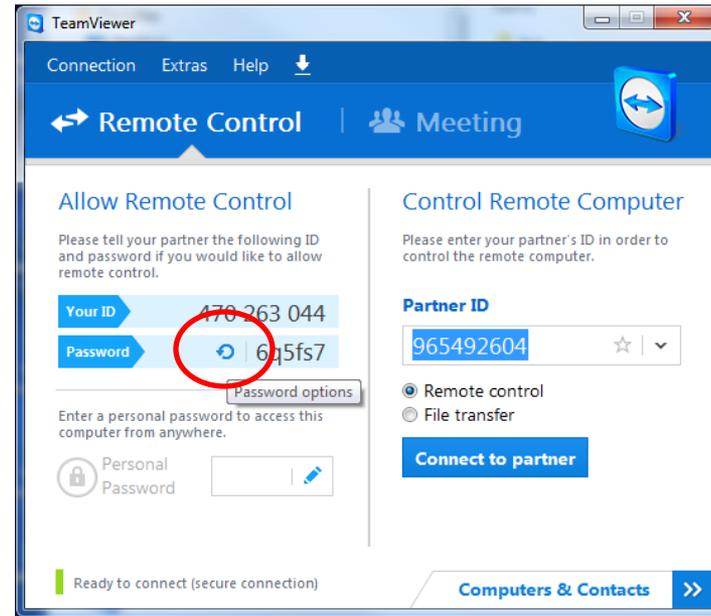
- When it has finished installing, this is what you will see.



- When you call Makino to connect using ProVis, you will need to give Your ID and password to the TSS
- This will give the TSS temporary remote access to your computer.



- After use, if you want to reset your password, put your mouse over the password and press the reset icon.



- Call 888-MAKINO4 (888-624-4664) to test initial setup, or to diagnose machine problems.