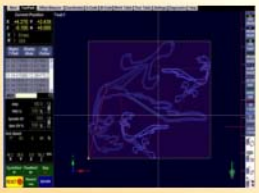
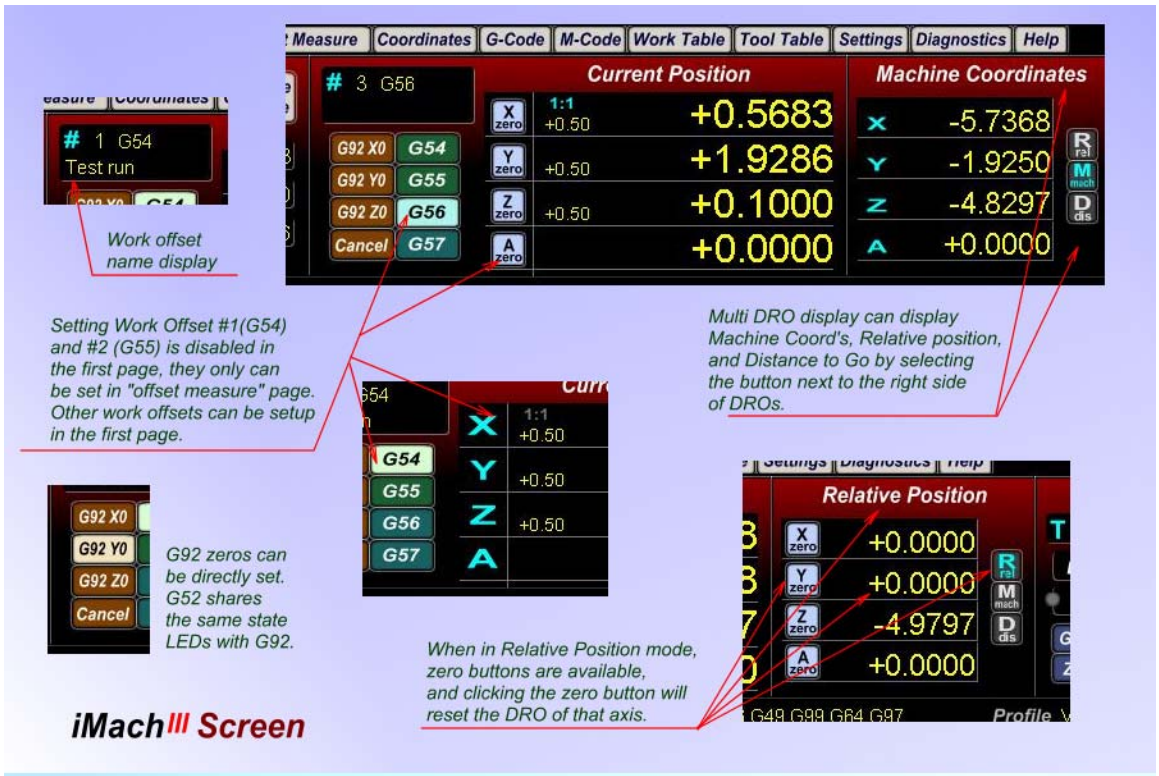
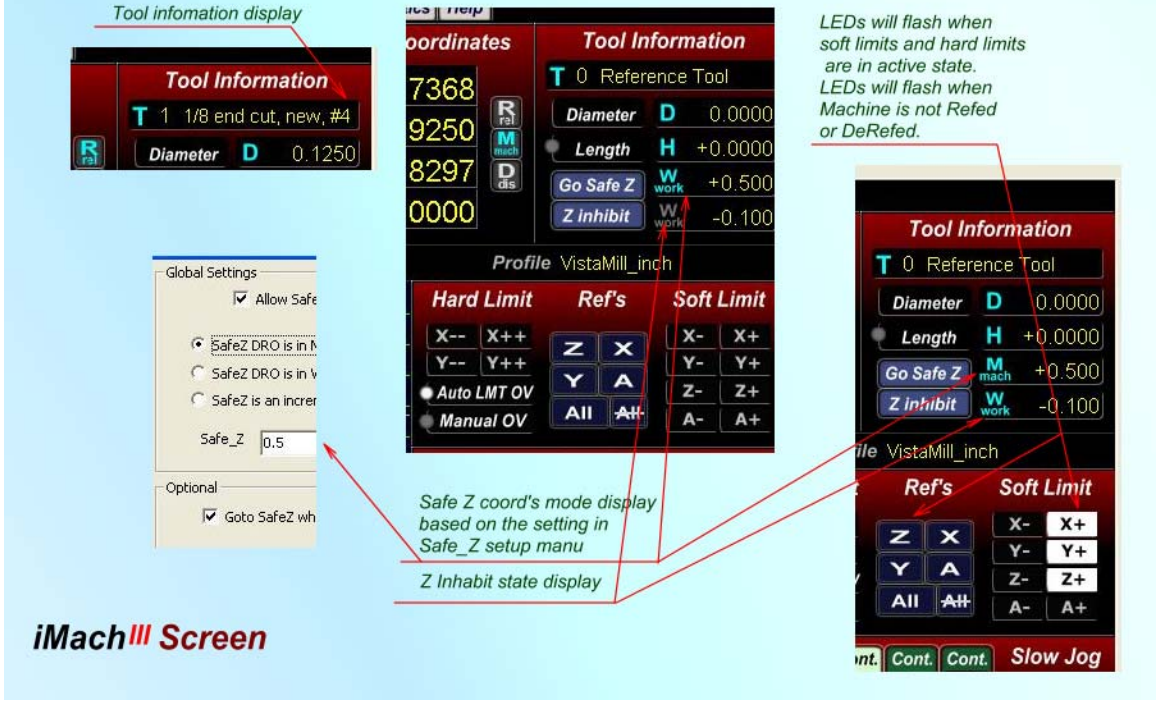
# *iMach3 Screen*




## *iMach*III *Screen*

- *Most controls in first page.*
- *Multi coordinates display.*
- *Machine limits info. display.*
- *One click jog mode selection.*
- *Hotkey operation.*
- *Multi-function MPG.*
- *Machine state real time display.*
- *Large tool path display.*


Measure
Coordinates
G-Code
M-Code
Work Table
Tool Table
Settings
Diagnostics
Help
# 3 G56
Current Position
Machine Coordinates
+0.5683
+1.9286
+0.1000
+0.0000
-5.7368
-1.9250
-4.8297
+0.0000
G92 X0
G92 Y0
G92 Z0
Cancel
G54
G55
G56
G57
# 1 G54
Test run
Work offset name display
Setting Work Offset #1(G54) and #2 (G55) is disabled in the first page, they only can be set in "offset measure" page. Other work offsets can be setup in the first page.
Multi DRO display can display Machine Coord's, Relative position, and Distance to Go by selecting the button next to the right side of DROs.
G92 zeros can be directly set. G52 shares the same state LEDs with G92.
Relative Position
+0.0000
+0.0000
-4.9797
+0.0000
When in Relative Position mode, zero buttons are available, and clicking the zero button will reset the DRO of that axis.
iMachIII Screen


Tool infomation display
Tool Information
T 1 1/8 end cut, new, #4
Diameter D 0.1250
Tool Information
T 0 Reference Tool
Diameter D 0.0000
Length H +0.0000
Go Safe Z
Z inhibit
+0.500
-0.100
Profile VistaMill_inch
Hard Limit
Ref's
Soft Limit
Auto LMT OV
Manual OV
LEDs will flash when soft limits and hard limits are in active state.
LEDs will flash when Machine is not Refed or DeRefed.
Global Settings
Allow Safe
SafeZ DRO is in M
SafeZ DRO is in W
SafeZ is an increr
Safe_Z 0.5
Optional
Goto SafeZ wh
Safe Z coord's mode display based on the setting in Safe_Z setup manu
Z Inhabit state display
Cont.
Cont.
Slow Jog
iMachIII Screen

## iMach III Screen


Manual step jog selected. Using defined Hotkey in keyboard to select axis and jog.

Step MPG is selected, Selecting different step size will effect each MPG movement. Clicking the same Step size button will change the jog mode back to Step jog mode. Axis selection is available.


Continous jog mode selected. Manually change DRO will refresh the jog rate. Using defined Hotkey in keyboard to select axis and jog.


Handheld Pendant control mode. Jog mode and Axis selection will be controlled by Pendant. Only Step size is availabe to be changed.


Manually change DRO will refresh the step size.

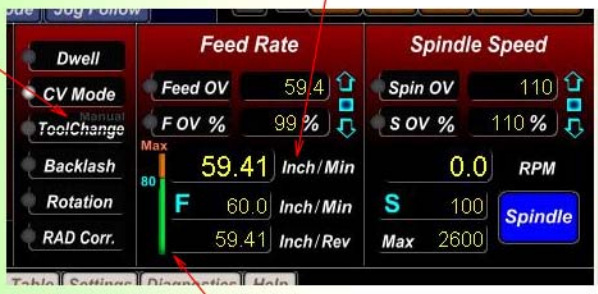


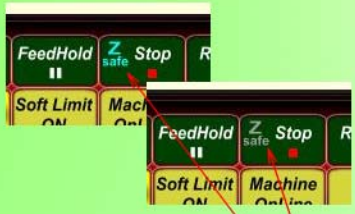
Jog disabled. No jogging or mode selection through keyboard or Pendant.


## iMach III Screen

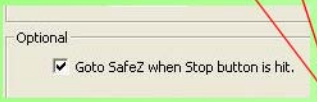

Indicate current tool change settings

Use Inch/Min or MM/Min based on current unit usage.




Dynamic displays the feedrate

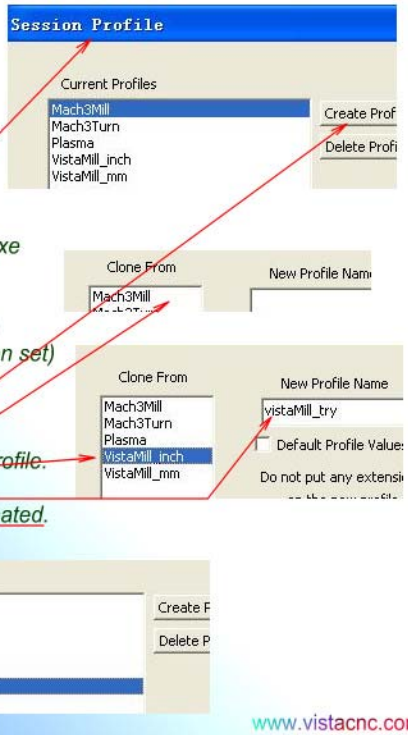



Indicates current SafeZ <-> Stop settings

## iMach III Screen

*Installation instruction:*

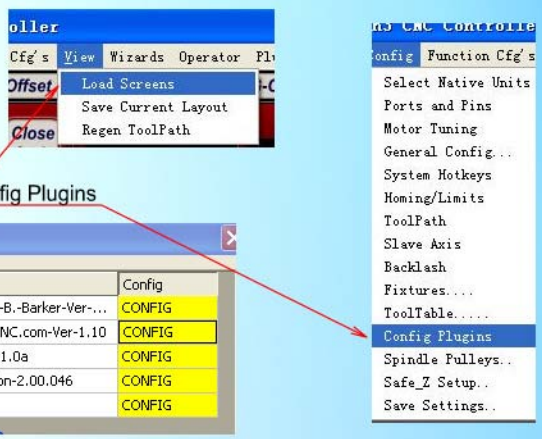
- *Download "iMach3PendantPlugIn" from www.vistacnc.com*
- *Close Mach3 application.*
- *Unzip the downloaded file and double click iMach3PendantPlugIn.exe*
- *The setup will put the following files or fold into related places.*
  *1024vc.set (Screen set configuration file)*
  *PlugIns\iMach3Pendant.dll (PlugIn that supports this screen set)*
  *vistaCNC\Bitmaps\vistaCNC (Graphic files that support this screen set)*
- *You do not need to reboot the PC after installation.*
- *Start Mach3 application.*
- *For first time use, in "Session Profile", select "Create Profile".*
- *From "Clone From", select your most recently used and workable profile.*
- *Put a new profile name under "New Profile Name".*
- *Press OK, back to Session Profile window, select the profile just created.*
- *Click OK and start the application.*
- *Above will create an new XML profile file with the same configuration setting with your previous working profile.*

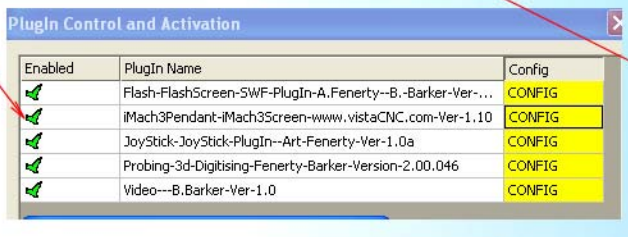


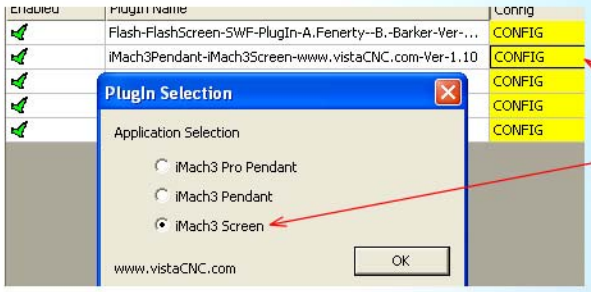

www.vistacnc.com

## iMach III Screen

- Select 1024vc.set file from View->Load Screen
- Enable iMach3Pendant PlugIn from Config->Config Plugins




- Click CONFIG
- Select iMach3 Screen