

## MachMotion's Ultimate Screen

This is a list of standard customization options with our screen.

1. You can click on any of the axis letters at the top of the screen and change them to another letter.



2. Editing the text on the jog buttons, and changing the button functions.

Go to: Diagnostics / Motors/Spindle/ and click on the button labeled "Edit Jog Button Functions". This will bring up a text file with all the settings.

The text will be formatted like this.

```
JOG X++  
307  
334  
JOG X-  
308  
334
```

When the screen is loaded it will parse this file and pull the data from it. This file is line sensitive.

Any text on line one will be displayed on the jog button with the arrow pointing left

The second line is the OEM button number, that will be executed when the button is pressed

The third line is the OEM button number, that will be executed when the button is released.

This is a list of all the OEM button codes in Mach3 used for jogging!

Push to Jog X++ 307	Turn Jogging off
Push to Jog X-- 308	Toggle X jog off 334
Push to Jog Y++ 309	Toggle Y jog off 335
Push to Jog Y-- 310	Toggle Z jog off 336
Push to Jog Z++ 311	Toggle A jog off 337
Push to Jog Z-- 312	Toggle B jog off 338
Push to Jog A++ 313	Toggle C jog off 339
Push to Jog A-- 314	
Push to Jog B++ 329	
Push to Jog B-- 330	
Push to Jog C++ 331	
Push to Jog C-- 332	

You could change the text on the button and use any of mach's OEM button codes for custom functions.

3. There are four UserLabels and four UserDRO's on the run screen that can be linked to anything, using VB macros, mach's brains, and/or the macro pump.

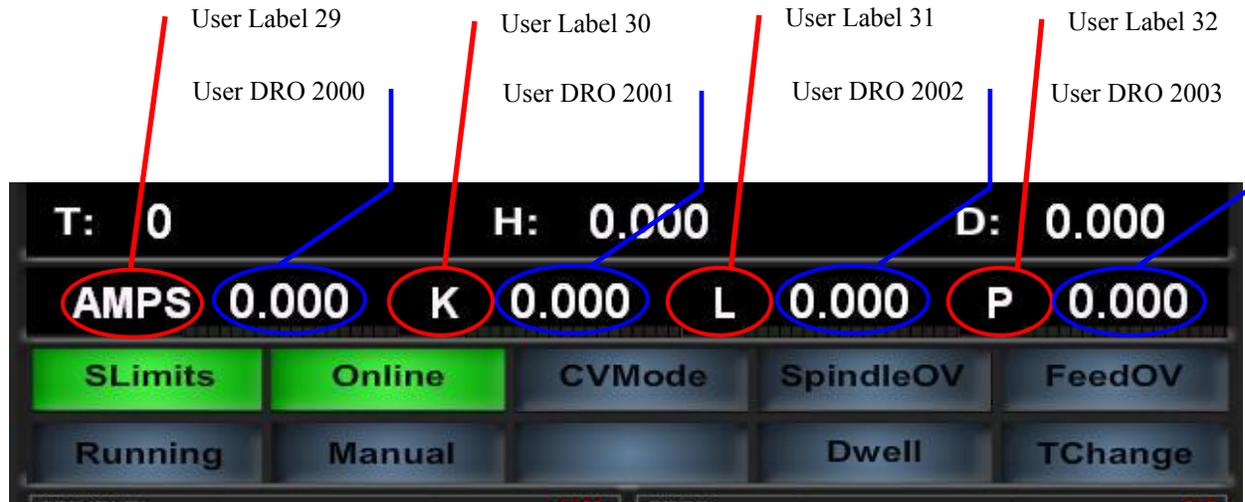
Here are the VB commands for the user labels and DRO's.

```
SetUserLabel(29,"Enter your text here")
```

```
GetUserLabel(29)
```

```
SetUserDRO(2000,number)
```

```
GetUserDRO(2000)
```



4. To lock down mach so that a users cannot change any setting. Go to: Diagnostics / Advanced and type in a password under the text "Admin Password, and then click the "Save Password" button. You also could click on the button in the left column labeled "Menu Off" this will remove the menu on the top and not allow any access to the machine configuration.

5. To turn off the DRO keyboard go to: Diagnostics / Advanced and click on the button labeled "DRO Keyboard ON" and it will toggle to "DRO Keyboard OFF" then click on the button "Save Setup" to save this change.

6. To edit the user buttons, go to the bottom menu and click on "User Buttons" then click on "Edit User Buttons" then click on the button you want to edit. This will bring up two text files one for "onpress" and one for "onrelease". You can code standard Mach3 Vb Macro's in these text files and the buttons will execute the code when pressed. To learn more about VB Macro's in Mach3 go to: <http://www.machsupport.com/MachCustomizeWiki/>

7. There are a few other general formatting options on page: Diagnostics / Screen Config.

This is a list of all the user labels, DRO's, and LED's used in MachMotion's Ultimate screen.

//////////

USER LABELS

//////////

- 10 Folder Path
- 11 File Path
- 12 Computer ID
- 13 Keycode
- 14
- 15 Admin Password
- 16 X Label
- 17 Y Label
- 18 Z Label
- 19 A Label
- 20 B Label
- 21 C Label
- 22 User LED LABEL///
- 23 User 1 LABEL (Button 1)
- 24 User 2 LABEL (Button 2)
- 25 User 3 LABEL (Button 3)
- 26 User 4 LABEL (Button 4)
- 27 User 5 LABEL (Button 5)
- 28 User 6 LABEL (Button 6)

////Run Screen///

- 29 User 1 LABEL
- 30 User 2 LABEL
- 31 User 3 LABEL
- 32 User 4 LABEL
- 33 Search word

//////////

USER DRO'S

//////////

- 1800 X DRO scale
- 1801 Y DRO scale
- 1802 Z DRO scale
- 1803 A DRO scale
- 1804 B DRO scale
- 1805 C DRO scale
- 1806 axis veloc x
- 1807 axis veloc y
- 1808 axis veloc z
- 1809 axis veloc a
- 1810 axis veloc b
- 1811 axis veloc c
- 1812 Nudge amount
- 1813 File is loading
- 1814 Store Spindle JOG
- 1815 Store SpindleOV JOG
- 1816 DRO format
- 1817 Gcode format

///Run screen//

- 2000 1 User DRO

2001 2 User DRO  
2002 3 User DRO  
2003 4 User DRO

//////////

USER LED'S

//////////

1170 Resume/Pause teach  
1171 Open JCode  
1172 Teach LED'S  
1173  
1174  
1175 Clear teach  
1800 Native Units  
1801 User Button 1  
1802 User Button 2  
1803 User Button 3  
1804 User Button 4  
1805 User Button 5  
1806 User Button 6  
1807 User Button 7  
1808 User LED///  
1809 SPindle Jog  
1810 Folder  
1811 File complete  
1812 User settings load complete  
1813 Keyboard on/off  
1814 Tool Message on/off  
1815 MCode on/off