**MyCNC profiles** 

macros, PLC procedures etc.

# Profile folders are placed in "myCNC/profiles" folder in User configuration folder. "User configuration folder" is OS dependent folder which can be for example:

• Linux -

/home/user\_name/.config/...

• MS Windows (Old) -

C:/My Documents/...

• MS Windows (Win 7) -

C:/Users/User\_Name/...

For example for Odroid-C2 mini computer we offer profiles folder are placed in -

/home/operator/.config/myCNC/profiles

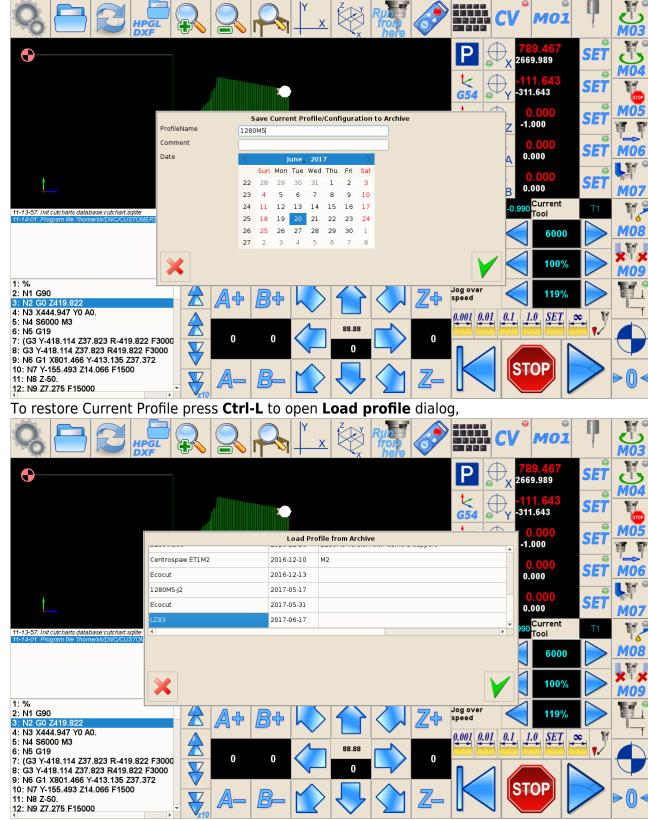
### Save/Restore Profile Configuration

- Current Profile can be stored simply by archiving your current profile folder
- Current Profile can be stored in the local database file. Press **Ctrl+Z** to open **Save Profile dialog**, enter comments and press "Save". A Complete set of Current profile files will be stored in the database file.

MyCNC software can be flexibly configured for a wide range of application. Complete machine

configuration is stored in Profile - folder that contains all the screen configuration, machine settings,

mycnc:mycnc\_profiles http://cnc42.com/mycnc/mycnc\_profiles?rev=1575303045



select profile snapshot and press "ok".

Database file with Profiles Archive is placed in myCNC working folder in myCNC/db/profiles.sqlite file. A Full path for Odroid-C2 is

/home/operator/myCNC/db/profiles.sqlite

for MS Windows it can be

#### C:/MyCNC64/db/profiles.sqlite

#### Store/Restore and Update Profile data to/from myCNC Server

Current Profile can be stored, restored or updated from myCNC Server. Store, restore and update profile can be made in the "Support" dialog.

Firmware Update Select Board Firmware Version UART port Baud rate	myCNC-ET7 Release //dev/tty54() 115200	v           v           v           v           v           v	
Firmware Version UART port	Release /dev/ttyS4()	~	
UART port	/dev/ttyS4()	~	
		~	
	11200		
	Update Firmware		
Software Update			
	Check Updates		
Version available:			
Build for:			
	Download and Update Software		
		Download and Update Software	Download and Update Software

#### To Store Current profile snapshot

To Store Current profile snapshot on myCNC Server press button **Store Profile on myCNC Server**. You will get a confirmation message after the profile stored.

W *	(13:07:20) myCNC con	_	ftware. Ver:1.88.2099- [/hon	ne/sk/DNC/CUSTOMERS/!NIK/2017-	11/низ.NC]	v V
Enable Access to CNC Host	Computer for Technical Support Team		Firmware Update	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me		Firmware Version	Release	~	
			UART port	/dev/ttyS4()	~	
			Baud rate	115200	~	
Profile Save	Ilt Support Setting		The Pofile was saved on my Server and will be available about 30 mins.	are		
	Profile on myCNC Server			ies .		
Profile Load			Version available: Build for:			
Profile Name to Load	1280M5		Build for:			
Controller UID	46e87ccd238e1f29					
Date	2017-1201-063605	~				
Screen						
Macros						
PLC						
Variables				Download and Update Software		
Load I	Profile from myCNC Server					

Your profile name, controller unique ID and current date and time are stored with all profile data. You will be able to restore data exactly for your machine (pair profile-controller ID) and selected date.

#### To Restore profile from myCNC Server

- Profile Name to Load Current profile name is filled automatically.
- **Controller UID** Your Controller unique ID is filled automatically.
- Date Select date to load from ComboBox
- Select which components of the profile you like to restore from myCNC Server
  - Screen screen configuration files like "cnc-screen.xml", diagnose-xml", "editor.xml", "parking.xml" etc
  - Macros macro files from "Macro" folder
  - PLC plc folder with all Hardware and Software PLC files
  - Variables All current settings from "cnc-variables.xml"

For example Screen, macros and PLC are selected to restore from myCNC Server

Enable Access to CNC Host	Computer for Technical Support Team	Firmware Update	myCNC-ET7	~]	
Tech Support Server	mycnc.noip.me	Firmware Version	Release		
		UART port	/dev/ttyS4()	~	
		Baud rate	115200	$\sim$	
	ult Support Setting				
	an Support Setting		Update Firmware		
Profile Save		Software Update			
Profile Save	Profile on myCNC Server		Update Firmware Check Updates		
Profile Save Store Profile Load	e Profile on myCNC Server	Version available:			
Profile Save Store Profile Load	e Profile on myCNC Server				
Profile Save Store Profile Load Profile Name to Load	e Profile on myCNC Server	Version available:			
Profile Save Store Profile Load Profile Name to Load Controller UID	Profile on myCNC Server 1280M5 46e87ccd238e1f29	Version available:			
Profile Save Store Profile Load Profile Name to Load Controller UID Date	Profile on myCNC Server 1280M5 46e87ccd238e1f29	Version available: Build for:			
Profile Save Store Profile Load Profile Name to Load Controller UID Date Screen	2 Profile on myCNC Server 1280M5 46e87ccd238e1f29 2017-1201-063605	Version available: Build for:			
Profile Save	2 Profile on myCNC Server 1280M5 46e87ccd238e1f29 2017-1201-063605	Version available: Build for:			

- Press "Load Profile from myCNC Server" to load selected profile data.
- Press OK in confirmation dialog

CFG Z				sk/DNC/CUSTOMERS/INIK/201	7-TITRUS.NCJ	
Enable Access to CNC Host C	omputer for Technical Sup	port Team	Firmware Update Select Board	myCNC-ET7	~	
Fech Support Server	mycnc.noip.me		Firmware Version	Release	~	
			LIADT port	Idoutth C 4/3		
		Update Current P	rofile from myCNC Server.			
		Will be updated:			~	
			Councilian Class Illus			
		* cnc-screen.xm	figuration files like I			
		* diagnose.xml * user-m5.xml				
Default	Support Setting	etc				
Deldate	Support Setting	* The Macros Fold	ler			
		* The PLC Folder	with all PLC procedures source	es, binary and XML		
		configuration				
		All your previous	data will be lost!			
Profile Save		by pressing "Save	mmended to save current conf e Profile on myCNC Server" bu	iguration on the Server tton.		
Store P	rofile on myCNC Server	** ARE YOU SUR	- F? **			
Profile Load						
Profile Name to Load	1280M5					
Controller UID	46e87ccd238e1f29					
Date	2017-1201-063605					
Screen		L			<b>2</b> 0	
lacros						
PLC						
/ariables			Dov	vnload and Update Software		
Load Pr	ofile from myCNC Server		Dov	moud and opuace sortware		
Load III	sine naminiyene berver					

#### To Update profile from myCNC Server

Note

You may wish to update your profile to the last version from your myCNC Server.

1. Updating Screen files make sense since you would get a new look of your
profile
2. Updating Macros and PLC is completely up to you. You may update it if you
didn't
make any changes in PLC or Macros
3. !!! Never !!! update cnc-variables because you will lose all your
settings data
and will need to set up system again (like pulse per unit settings and
other)

- **Profile Name to Load** Current profile name is filled automatically.
- **Controller UID** Put "\*" symbol to get the last **Default** version of your profile.

SYS CFG			ne/sk/DNC/CUSTOMERS/INIK/2017-11/ни		
Enable Access to CNC Host	Computer for Technical Support Team	Firmware Update			
		Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me	Firmware Version	Release	~	
		UART port	/dev/ttyS4()	~	
		Baud rate	115200	~	
Detau Profile Save	It Support Setting	Software Update	Update Firmware		
Store	Profile on myCNC Server		Check Updates		
Profile Load	,	Version available:	check optites		
Profile Name to Load	1280M5	Build for:			
Controller UID	1				
Date	2017-1202-181024	~			
Screen					
Macros					
PLC					
Variables			Download and Update Software		
	Profile from myCNC Server				
Load F					

- Date Select the last date from the ComboBox
- Select which components of the profile you like to restore from myCNC Server
  - Screen screen configuration files like "cnc-screen.xml", diagnose-xml", "editor.xml", "parking.xml" etc
  - Macros macro files from "Macro" folder
  - $\circ~\mbox{\rm PLC}$  plc folder with all Hardware and Software PLC files
  - **Variables** Do NOT select variables when update the profile from myCNC Server.
- Press "Load Profile from myCNC Server" to load selected profile data.
- Press OK in confirmation dialog

CFG Z		CFG				re la constante da la constant
Enable Access to CNC Host Co	mputer for Technical Supp	oort Team	Firmware Update Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me		Firmware Version	Release	~	
Default 5	Support Setting	Will be updated: * Screen XML cor * cnc-screen.xm * diagnose.xml * user-m5.xml etc All your previous It is HIGHLY reco	data will be lost! mmended to save current confi e Profile on myCNC Server" but	guration on the Server	· · · · · · · · · · · · · · · · · · ·	
Profile Save						
	ofile on myCNC Server					
Profile Load Profile Name to Load	1280M5					
Controller UID Date	* 2017-1202-181024	×		V		
Screen						
Macros						
PLC						
/ariables Load Prof	file from myCNC Server		Dow	nload and Update Software		

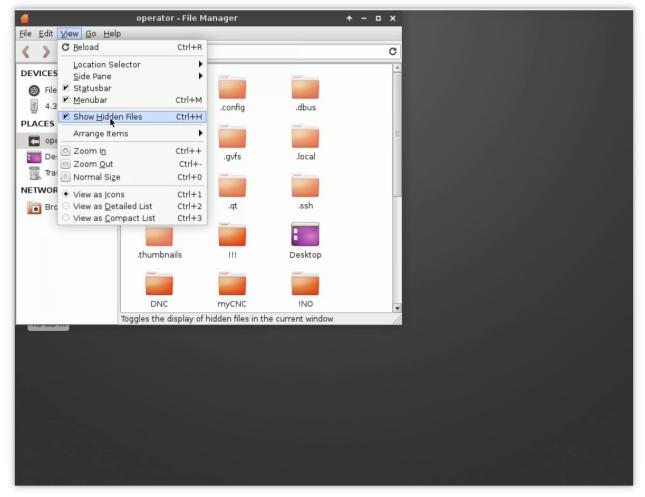
#### **Manual restore Profile Configuration**

A computer uses cache memory (RAM) while saving files to increase SD cards performance. The most frequently written file is **cnc-variables.xml**. In case of power failure profile configuration file "cnc-variables.xml" might be damaged. To restore profile configuration you can manually copy this file to profile folder from the archive. For example,

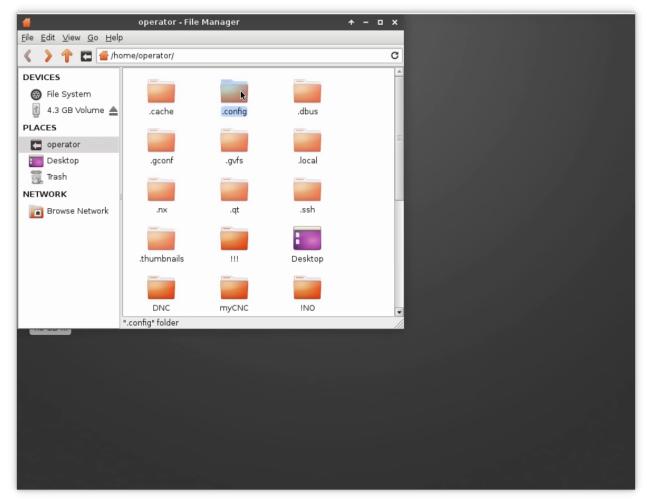
- put "cnc-variables.xml" file to USB disk and insert it into the SBC.
- Close myCNC software to see the desktop



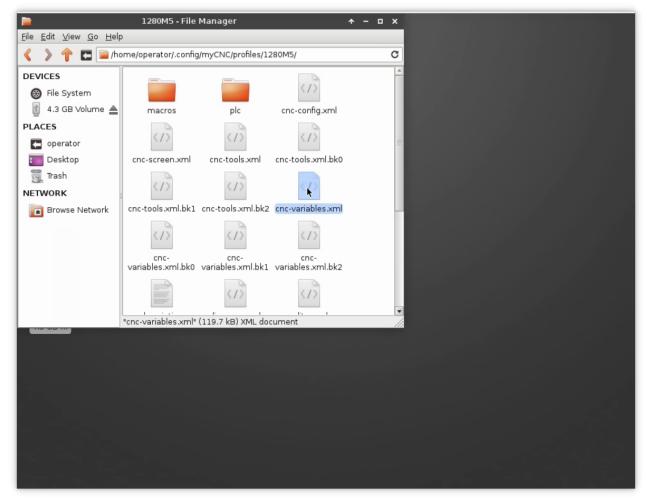
- Click on **Home** icon to open **User Home Folder** (usually it's "/home/operator") in a File Manager.
- Click "Show Hidden Files" checkbox in "View" menu to see Hidden files (files and foders in Linux systems started with dot symbol "." considered as "hidden", user configuration folder in Linux is ".config")



• Goto "/home/operator/.config/myCNC/profiles\_YOUR\_PROFILE" folder



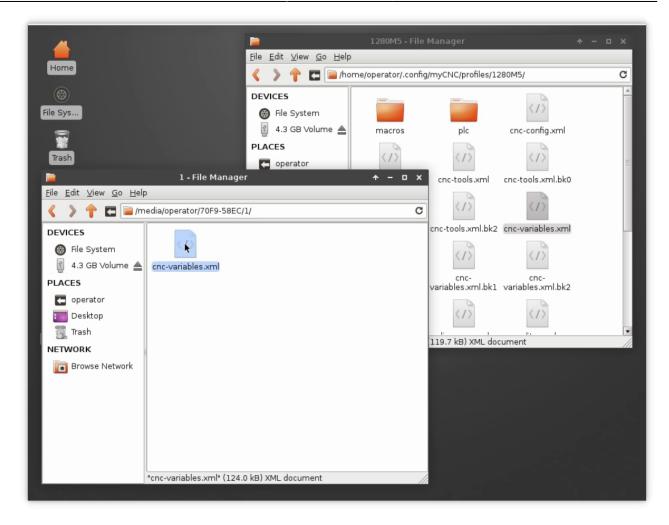
• Fnd cnc-variables.xml file



• Open another File Manager (press "Home" icon again), goto USB disk (you can find it in left lanel under "DEVICES" section

	•	1280M5 - File	Manager		↑ - □ ×
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Home	🔇 🔪 🍸 🗖 🚞 /ho	me/operator/.confiç	J/myCNC/profiles/12	280M5/	C
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=		macros	plc	cnc-config.xml	
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(rash)	Desktop	cnc-screen.xml	cnc-tools.xml	cnc-tools.xml.bk0	
1 - File Manager	Trach	x	11	112	
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🔇 🔪 👚 🔚 /media/operator/70F9-58EC/1/		C	cnc-tools.xml.bk2	cnc-variables.xml	
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🛞 File System			cnc-	cnc-	
4.3 GB Vslume A cnc-variables.xml 11.2 MB of 16.7 MB free (32% used)		hl.bk0	variables.xml.bk1	variables.xml.bk2	
PLACES			<1>		
operator     Desktop			(119.7 kB) XML doo	<u>e i</u>	•
Trash		3.7111	(113.7 KD) XME 000	currient	
NETWORK					
Browse Network					
1 item (124.0 kB), Free space:	11.2 MB				

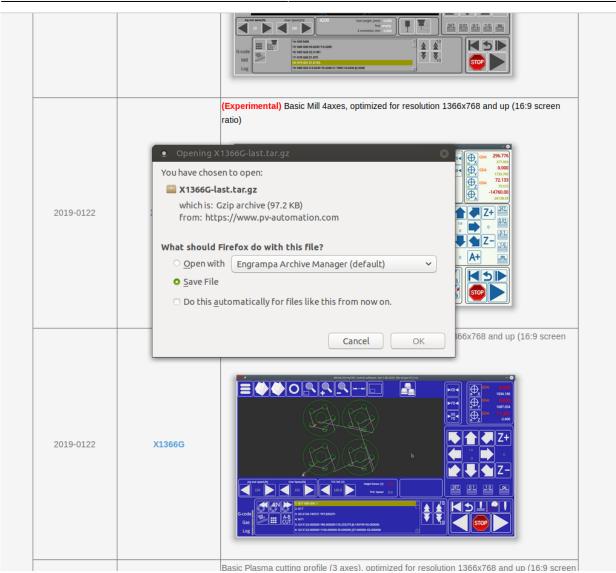
• Copy the file from USB to YOUR\_PROFILE folder



#### Manual profile update

In case there is no recently updated version of the profile you are looking for on the server, you can manually download it from the main site. Please follow the instructions below to manually update your profile to the latest available version:

1. Go to the main site's Download page and scroll down to the **Profiles** section, then click on the profile you would like to update and select **Save** 



## 2. Copy the archive file that you have downloaded to home > .config > myCNC > profiles

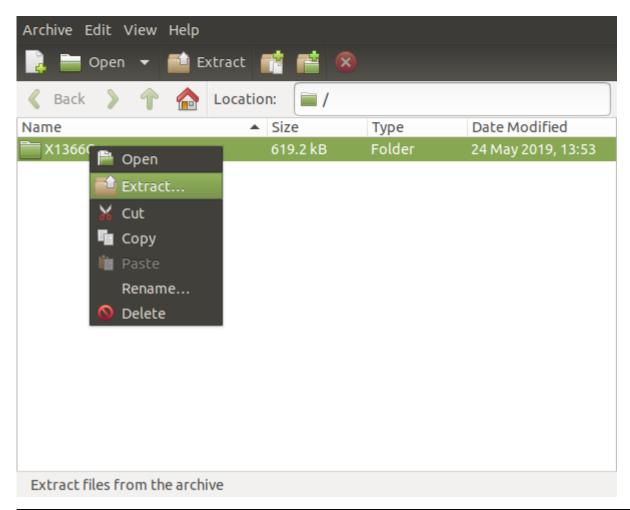


3. If you would like to keep your preferences from your previous profile, go to that profile's folder and

copy the **cnc-variables.xml** file over to your Desktop.

File Edit View Go ✔ Back ✔ > Fo		) 💽 💻 🗆 100%	o 💿 Icon View	Q		
Places 🔻 🗱	🖉 🖣 📷 mycnc  .cc	onfig myCNC profile	es X1366G >			
Computer	macros	plc	plc.data	support	cnc-screen.xml	cnc-variables.xml
■ Desktop ◎ File System ■ Trash Network	<pre>cnc-variables.xml.</pre>	<pre>cnc-variables.xml.</pre>	<pre>cnc-variables.xml.</pre>	cnc-variables.xml.	<pre>cnc-variables.xml.</pre>	cutcharts-data.xml
Browse Netw	6 ko	6k1	6k9	reserved	sync </td <td></td>	
	diagnose8.xml	editor.xml	gantry.xml	user-gas-1366.xml	user-plasma-1366. xml	user-speed.xml
						<1>
	user-speed-acc-xy. xml	user-speed-xy.xml	user-speed-xy-z.xml	user-speed-xy-z-a. xml	user-speed-xy-z-a-b. xml	user-speed-xy-z- probe.xml
						<1>
	user-spindle.xml	x.style	x.style.001	x.style.002	x-abcut.xml	x-bottab-left.xml
	x-coordinates.xml	x-gas.xml	x-jog.xml	x-menu-gas.xml	x-plasma.xml	x-player.xml
	"cnc-variables.xml" sele	cted (48.4 kB), Free spac	ce: 14.4 GB			

4. Extract the folder from the copied archive into the Profiles folder. If you want to add your previous settings from Step 3, replace the **cnc-variables.xml** file in your new profile folder with the one that you have copied to your desktop.

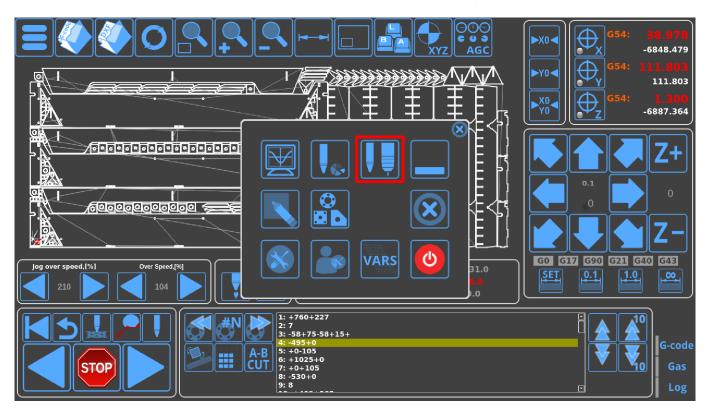


5. Relaunch myCNC software.

The manual profile update should now be complete.

#### Switching between plasma/gas profiles

To switch between profiles via the on-screen button (for example, such as the Switch Technology button present on the X1366P plasma and X1366G gas profiles), the user can simply click from the main software screen to confirm the profile switch without having to go into the program settings.



However, the Switch Technology button only allows to switch between select profiles that must be specified by name - it is therefore necessary to properly define the profile if its name has been changed from the default (for example, when using a profile called CustomPlasmaProfile versus the default X1366P).

In order to do this, it is necessary to do a quick edit of the .xml files that contain the code for the menus for both respective profiles (in this case, our custom plasma and custom gas profiles).

- Head into the folder containing the myCNC profiles. On Ubuntu, it will be *home/.config/myCNC/profiles*.
- Head into the custom folder that you are using (in this example, it will be CustomPlasmaProfile and CustomGasProfile)

File Edit View Go		C 🖬 💻 🗆 1009	6 👩 Icon View	Q				
Places 👻 🗱	🖉 🖣 🖬 mycnc 🗌	config myCNC profil	es CustomPlasmaPro	file				
Computer mycnc Desktop File System Trash	X1366Gx2	X1366P-T6E	1024P-T6	1280VK	OLICUT-1317	1024P-V2	X1366M4.0	X1366Vphil
Network Browse Netw	NS-7 X1366M4E	1024P-T4	1280M5 X1366M4	X1366P-T6	X1366P-T4	X1366G X1366V	X1366PE	X1366YAN Kristall-05511-GZ- 2C-v1
	X1366GA	CustomGasProfile	CustomPlasmaProfi le	M309				
		ntaining a total of 94 item						

17/20

MyCNC profiles

• Head into the plasma profile (CustomPlasmaProfile), locate and open the x-menu.xml file in a text editor of your choice (Pluma is used in this example).

File Edit View Go <b>〈</b> Back <del>、</del> 〉 Fo		C 🛅 📃 🗆 1009	6 💿 Icon View 🚽	Q				
Places 👻 🛠	🖉 🖣 💽 mycnc	onfig myCNC profil	es CustomPlasmaPro	ofile				
Computer mycnc Desktop	macros	plc	plc.data	support	/ cnc-config.xml	cnc-screen.xml	cnc-tools.xml	cnc-tools.xml.sync
🖾 File System 🗟 Trash Network	cnc-variables.xml	cnc-variables.xml. bk0	cnc-variables.xml. bk1	cnc-variables.xml. bk2	cnc-variables.xml. bk9	<pre>cnc-variables.xml. reserved</pre>	cnc-variables.xml. sync	cutcharts-data.xml
Browse Netw	description	diagnose8.xml	editor.xml	مراجع gantry.xml	د المعام user-plasma-1366.	vser-speed-plasma.	vser-spindle.xml	user-torch.xml
	x.style	x.style.m	x.style.p	x-abcut.xml	xml x-bottab.xml	xml	x-coordinates.xml	x-gstate.xml
	x-gstate2x3.xml	x-gstate6x1.xml	x-gstate6x1-0.xml	x-jog.xml	x-menu.xml	x-plasma.xml	x-player.xml	x-progress.xml
	x-rotate.xml	x-speed.xml	x-varsview.xml					
	"x-menu.xml" selected	(4.8 kB), Free space: 10.	6 GB					

• In the x-menu.xml file, search for the profile-change line

2024/05/02 07:52

37 <giten <="" action="radio-confirm:profile-change" f10"="" height="80" image="tabs/butto&lt;br&gt;42 hotkey=" inage="tabs/user&lt;br&gt;39&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;40&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;pre&gt;41 &lt;gitem where=" position="210;10" pre="" text="X1366G;X1366P" where="x-menu" width="80" x-menu"=""></giten>	n-plasma-gas" <b>tooltip=</b> "Switch technology (plas	ma/gas)" tooltip_ru="Смена технологии (плазма/газ)"
42 notkey= FIG action= Fadlo-confirm:profile-change text= X13000;X1300P 43 labelFontSize="14" fontSize="14" orientation="horizontal"		
44 type="button" >	• Find 🛞	
45 <confirm-message>Change Technology Profile</confirm-message>		
46 <confirm-message_ru>Сменить технологию резки</confirm-message_ru>	Search for: profile-change	
47		
48	Match case	
49		
50	Match regular expression	
<pre>52 <gitem 53<="" height="80" image="minimize" position="310;10" pre="" where="x-menu" width="80"></gitem></pre>	<ul> <li>Match entire word only</li> </ul>	программу" action="application-minimize" type="button" />
54 <gitem a<="" height="80" image="_close" position="310;110" th="" where="x-menu" width="80"><th>Search backwards</th><th>е myCNC" tooltip_ru="Закрыть программу" type="button" &gt;</th></gitem>	Search backwards	е myCNC" tooltip_ru="Закрыть программу" type="button" >
55 <confirm-message>Close CNC control application. Are you sure?</confirm-message>		
56 <confirm-message_ru>Закрыть систему управления ЧПУ. Вы уверены?</confirm-message_ru> Закрыть систему управления ЧПУ.	🖾 Wrap around	
57	Parse escape sequences (e.g. \n)	
so 59 <qitem <="" action="system-cmd-confirm" height="80" image="power-off&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;the computer" position="310;210" th="" tooltip_ru="Выключить питание машины" where="x-menu" width="80"></qitem>		
type="button" >	Close Q Find	the competer could pro- balance in the meaning better system and contern
60 confirm-message>Turn off the machine Power. Are you sure?		
61 <confirm-message_ru>Выключить питание машины. Вы уверены?</confirm-message_ru>	u>	
62		
03		
04 65 <gitem <="" action="myw" height="80" image="menu" position="0;0" th="" where="xp" width="80"><th>idaet-togale:x-menu" tooltin="Show main menu"</th><th>tooltin ru="Ochoshoe Newn" type="button" /&gt;</th></gitem>	idaet-togale:x-menu" tooltin="Show main menu"	tooltin ru="Ochoshoe Newn" type="button" />
geter meres xp postetons of chages mena netgite so weach at account myw	cogee coggeerx here cooccep= show wath were	coverep_rae occount of a contract of the contr

• In the text field, enter the correct names of your edited profiles (for example, CustomPlasmaProfile and CustomGasProfile) instead of X1366P and X1366G. The code would then look similar to the following:

```
<gitem where="x-menu" position="210;10" width="80" height="80"
image="tabs/button-plasma-gas"
tooltip="Switch technology (plasma/gas)" tooltip_ru="Смена технологии
(плазма/газ)"
hotkey="F10" action="radio-confirm:profile-change"
text="CustomGasProfile;CustomPlasmaProfile"
labelFontSize="14" fontSize="14" orientation="horizontal"
type="button" >
<confirm-message>Change Technology Profile</confirm-message>
<confirm-message_ru>Сменить технологию peзки</confirm-message_ru>
</gitem>
```

#### <gitem where="x-menu" position="218;18" width="88" http://witho.glass.com// fooltip="Switch technology (plasma/gas)" tooltip\_ru="Смена технологии (плазма/газ)" hotkey="File" action="radio-confirm:profile-change" text="ustonGasProfile"(sustonPlasmaProfile") labelFontSize="14" fortSize="14" ortentation="hortzoncat type="button" > <confirm-message\_vcMenuTe Textmonorum peske/confirm-message\_vc="// sustain">

- Save the x-menu.xml file.
- Head into the gas profile (CustomGasProfile in case of this example) and navigate to the x-menu-gas.xml file.

19/20

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aces 🔻 🗱	🖉 🖣 📷 mycnc	config myCNC profile	CustomGasProfile					
omputer	_		_	_				
mycnc Desktop	macros	plc	plc.data	support	cnc-config.xml	cnc-screen.xml	cnc-variables.xml	cnc-variables.xm bk0
File System	<1>							
etwork Browse Netw	cnc-variables.xml. bk1	cnc-variables.xml. bk2	cnc-variables.xml. bk9	cnc-variables.xml. reserved	cnc-variables.xml. sync	cutcharts-data.xml	description	diagnose8.xml
	<1>	6	<1>					
	editor.xml	func_ihc.h	gantry.xml	user-gas-1366.xml	user-gas-1366-x2. xml	user-plasma-1366. xml	user-speed.xml	user-speed-acc-x xml
	<1>		<1>					2
	user-speed-xy.xml	user-speed-xy-z.xml	user-speed-xy-z-a. xml	user-speed-xy-z-a-b. xml	user-speed-xy-z-c. xml	user-speed-xy-z- probe.xml	user-spindle.xml	x.style
	<1>		<1>	<1>				<1>
	x-abcut.xml	x-bottab.xml	x-coordinates.xml	x-coordinates3g. xml	x-gas.xml	x-gas2.xml	x-gstate.xml	x-gstate2x3.xm
	x-gstate6x1.xml	x-gstate6x1-0.xml	x-jog.xml	x-jog-g2.xml	x-jog-g2-r90.xml	x-menu-gas.xml	x-plasma.xml	x-player.xml
	x-rotate.xml	x-speed.xml	x-varsview.xml					

- Once again, locate the profile-change line and change the text field to contain the correct names of the new profiles.
- Save the x-menu-gas.xml file
- Reload the myCNC application

At this point, the Switch Technology button will allow for an easy switch between the profiles you have chosen:

	D.000 0.000 D.000 0.000 D.000 0.000
Change Technology Profile CustomGasProfile CustomPlasmaProfile Cus	<b>∠+</b> ∘ Ζ−
Jog over speed,[%]         Over Speed,[%]           210         104	G43
STOP       Image: Constraint of the state o	G-code Gas Log

From: http://cnc42.com/ - myCNC Online Documentation

Permanent link: http://cnc42.com/mycnc/mycnc\_profiles?rev=1575303045



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