# Importing DXF files into myCNC

NOTE: The myCNC DXF import is provided AS IS, and may not be suitable as a full-fledged CAM software package replacement. The DXF import functionality performs best on simple contours, and is limited in scope for certain applications (plasma, etc). Please consult the myCNC team for more information on DXF import functionality.

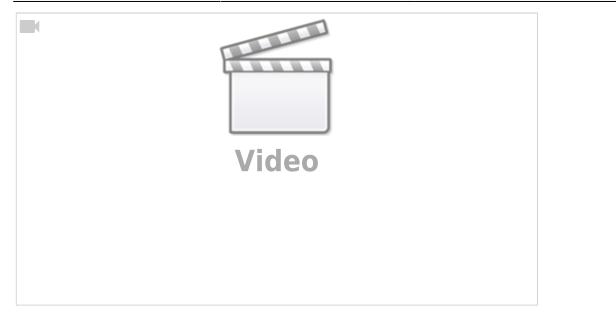
The following manual is designed to give the reader a quick introduction on importing DXF files into myCNC software to convert to G-Code. Note that the DXF import window allows the user to combine different technologies, provided that their tool paths have been drawn in different layers (DXF files) or in different pens/colours (HPGL files). That will allow to assign a particular technology to each such layer/pen (for example, using a spindle or a marker alongside a tangential knife). The myCNC software will automatically add all the necessary tool change and tool lift macros when generating the G-code file from the imported drawing.

Video

A quick overview of the DXF import functions is available here:

An introduction to combining different technologies for different layers of the original drawing can also be seen in the camera vision video (relevant information begins at 5:20). Note that while the examples shown are specifically for the tangential knife and camera tools, the principle remains the same for all the other available options (half-knife, creasing wheel, spindle, plasma, marker, etc):

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# DXF Import Main Screen

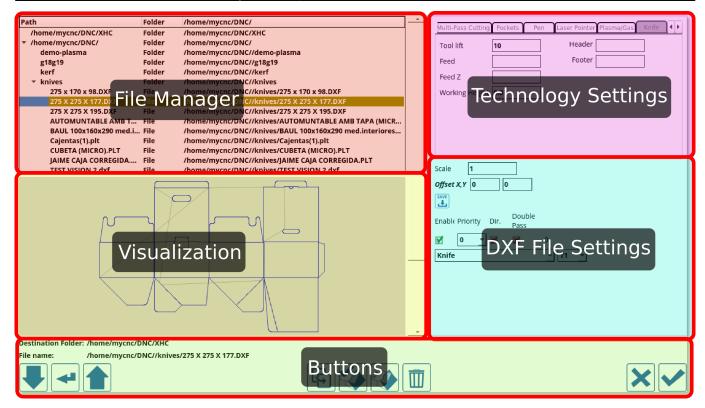
Upon pressing the **Open DXF** file and navigating to the particular file you would like to open, the following window is shown:

Path	Folder	/home/mycnc/DNC/ -	
Path /hame/mycnc/DNC/AHC * /hame/mycnc/DNC/ demo-plasma grlag19 kerf * keives 273 x 170 x 96.0xF 273 x 275 x 195.0xF AUTOMUNTABLE AMB T BAUL 100x100x20 mod.l. Cajentas(1).plt CUBETA (MICRO).PLT JAUNE CAJA CORREGIDA	Folder Folder Folder Folder Folder Folder File File File File File File	/heme/mycnc/DNC// /heme/mycnc/DNC//HC /heme/mycnc/DNC//demo-plasma /heme/mycnc/DNC//filg19 /heme/mycnc/DNC//knives/ /heme/mycnc/DNC//knives/275 x 170 x 95.0x8 /heme/mycnc/DNC//knives/275 x 275 x 195.0x8 /heme/mycnc/DNC//knives/275 x 275 x 195.0x8 /heme/mycnc/DNC//knives/2010/cortis/200 mod.interfores /heme/mycnc/DNC//knives/CajenCas(1).plt /heme/mycnc/DNC//knives/CajenCas(1).plt /heme/mycnc/DNC//knives/CajenCas(1).plt	Statistics     Priceits     Printed Plasmatics     Printed Plasmatics       Tool lift     10     Header       Fand     I coler       Fand     I coler       Fand     I coler
	File	/hema/httyene/DNC//knives/TEST VISION 2.4xf	Scale 1 offset X, Y 0 0 Linsble Priority Dir. Double Poss Ø 0 Y 0 0 Kolfe Y 1 Y
Destination Folder: /home/mycnc/l			
File name: /home/mycnc/l	DNC//kniv	es/275 X 275 X 177.0XF	
		5	

This window can be split into the following areas:

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# **File Manager**

The file manager allows the user to pick the particular DXF file they would like to open. Note that the folders available to the user through myCNC software's DXF import feature are listed in **Settings** > **Config** > **Preferences** > **Common**. Only the folders listed there can be accessed during the importing process.

Info Support Camera Config		SAVE CFG
CNC Settings	Character encoding	WINDOWS-1251
Inputs/Outputs/Sensors		
Network	NC code folders	~/DNC/XHC
Motion		~/DNC/
▼ PLC Hardware PLC		
Hardware PLC Hardware PLC Templates		
Hardware PLC: XML configs		
PLC Configuration		
Software PLC		
G-codes settings		
DXF import settings		
Macro List	NC code Network Folders	
Macro Wizard	Network Mirror Folder	
Probing Wizard	Network Mintor Folder	
<ul> <li>Preferences</li> </ul>	Lib storage folder	~/DNC/lib
Common	NC code filename extension	nc NC dnc iso tap CNC txt GNC
Start/Stop	Ne code mename extension	
Shape Library Settings	G04 cycle time,s	0.008
Screen	dot cycle time,s	0.000
Work Offsets	(*default value is 0.004, may var	y depends on firmware version)
Parking Coordinates		
▼ Technology	Disable keyboard events	×
Plasma Cutting		
Gas/Oxyfuel Cutcharts	Basic machine profile	3D-Cutting-Tabl 🔻
THC	·	
▶ Mill/Lathe	Forced Homing at the Start	×
Multi Head		
Laser control	Forced Homing macro name	M805
Tangential Knife	Force Homing after Emergency button	
<ul> <li>Special Purpose</li> </ul>	pressed	×
Camera	Reload nc-file if NC-RESET pressed	▼
5 axes RTCP	nered in the new react pressed	
· ·		

# **Technology Settings**

As can be seen in the Technology Settings section, the list of available technologies is as follows:

- Engraving
- Multipass cutting
- Pockets
- Pen
- Laser Pointer
- Plasma/Gas
- Knife
- Half-knife
- Creasing wheel
- Knife-45
- Marking
- S-knife
- V-knife

The settings for these technologies can also be accessed through **Settings > Config > DXF import settings**. Depending on the user's needs, unnecessary technologies can be disabled to reduce screen clutter.

Info Support Camera Config		SAVE CFG	
CNC Settings			4
Inputs/Outputs/Sensors	DRAWING 5 🔶 Pe	n 🔹	
Network	MARKS 20 🔶 Ca	imera 👻	
Motion			
▼ PLC	DXF Header		
Hardware PLC			
Hardware PLC Templates	DXF Footer		
Hardware PLC: XML configs PLC Configuration	Hide DXF Settings Tabs in DXF Import		
Software PLC	DXF Scale	1	
G-codes settings			
DXF import settings	DXF Offset (X, Y)		
Macro List	Ellipses interpolation by	lines 👻	
Macro Wizard			
Probing Wizard	Ellipse segments		
<ul> <li>Preferences</li> </ul>	DXF toolpath optimisation	₹	11
Common	Contour direction	Original -	Ш
Start/Stop	contour unceable		Ш
Shape Library Settings Screen	Spline segments	8 _	Ш
Vork Offsets	Knife support	<b>V</b>	Ш
Parking Coordinates	Half-Knife support	$\overline{\mathbf{v}}$	Ш
<ul> <li>Technology</li> </ul>		—	Ш
Plasma Cutting	Creasing Wheel support		Ш
Gas/Oxyfuel	Knife 45 degree support	M	Ш
Cutcharts	Spindle Single Pass		Ш
тнс	Spindle Multi Pass	<b>V</b>	Ш
Mill/Lathe	Pocket	V	Ш
Multi Head	Plasma	R A A A A A A A A A A A A A A A A A A A	
Laser control Tangential Knife		—	
Special Purpose	Marker		
Camera	Pen	<b>∀</b>	
5 axes RTCP	Layers priority support		

Below are the descriptions of the available settings for each of the technologies listed in the Technology Settings:

### Engraving

- Tool lift: Specifies the height to which the tool is lifted as it travels between the parts
- Z: Working height (usually a small negative value for engraving)

- Feed: Specifies the speed with which the machine is moving in the XY plane
- Feed Z: Specifies the speed with which the machine is moving in the Z axis

## Multipass cutting

- Tool lift: Specifies the height to which the tool is lifted as it travels between the parts
- Material thickness: Specifies the thickness of the material in mm
- **Cut depth**: Specifies each consecutive cut depth
- Feed: Specifies the speed with which the machine is moving in the Z axis

## Pockets

- Tool lift: Specifies the height to which the tool is lifted as it travels between the parts
- Pocket bottom: Specifies the total depth of the pocket
- Cut depth: Specifies the depth of each consecutive cut
- Tool diameter: Specifies the diameter of the tool
- **Finishing**: Specifies the depth of the last cut layer (allows to add a small finishing cut for higher precision)
- Feed: Specifies the speed with which the machine is moving in the XY plane

## Pen

- **Pen lift**: Specifies the height to which the pen is lifted as it travels between the parts
- Z: Specifies the working height
- Feed: Specifies the speed with which the machine is moving in the XY plane

### Laser Pointer

- Laser pointer lift: Specifies the height to which the laser pointer is lifted as it travels between the parts
- **Feed**: Specifies the speed with which the machine is moving in the XY plane

## Plasma/Gas

**NOTE**: The DXF import functionality performs best on simple contours, and is limited in scope for plasma and gas cutting applications.

- Mode: Select between Line, Arc, and Tangent
- Line length: Specifies the line length
- Line angle: Specifies the angle of the line
- Arc Radius: Specifies the radius of the arc
- Lead In from the middle: Specifies whether you want to lead into the cut from the middle of the cutting area
- Feed: Specifies the speed with which the machine is moving in the XY plane

#### Knife

- **Tool lift**: Specifies the height by which the knife will be lifted as it travels between parts.
- **Feed**: Specifies the speed with which the knife moves in the XY plane
- Feed Z: Specifies the speed with which the knife moves in the Z plane (during lift)
- Working height: Sets the working height (usually left at 0)
- Header: Inserts macros into the beginning of the generated G-code
- Footer: Inserts macros at the end of the generated G-code

## Half-knife

- **Tool lift**: Specifies the height by which the half-knife will be lifted as it travels between parts.
- Feed: Specifies the speed with which the knife moves in the XY plane
- Feed Z: Specifies the speed with which the knife moves in the Z plane (during lift)
- Working height: Sets the working height (usually left at 0)
- Header: Inserts macros into the beginning of the generated G-code
- **Footer**: Inserts macros at the end of the generated G-code

## **Creasing wheel**

- **Tool lift**: Specifies the height by which the creasing wheel will be lifted as it travels between parts.
- Feed: Specifies the speed with which the knife moves in the XY plane
- Feed Z: Specifies the speed with which the knife moves in the Z plane (lift/descend)
- Working height: Sets the working height (usually left at 0)
- Header: Inserts macros into the beginning of the generated G-code
- Footer: Inserts macros at the end of the generated G-code

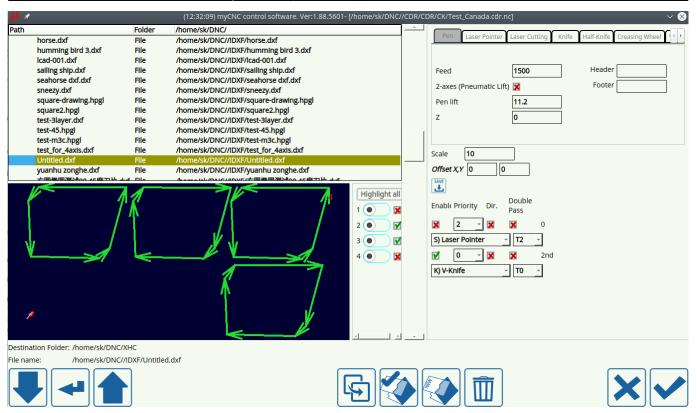
## V-knife

Knife that's held at an angle (often a 45-degree knife). Typically used for simple shaped (lines, rectangles, etc). Double Pass option is currently (as of September 2022) only used on the V-knife, allowing to go back and forth cutting the material from both sides.

A typical task that is solved by using a V-knife is to create boxes for ventilation - strips are cut out and rolled into a square pipe.

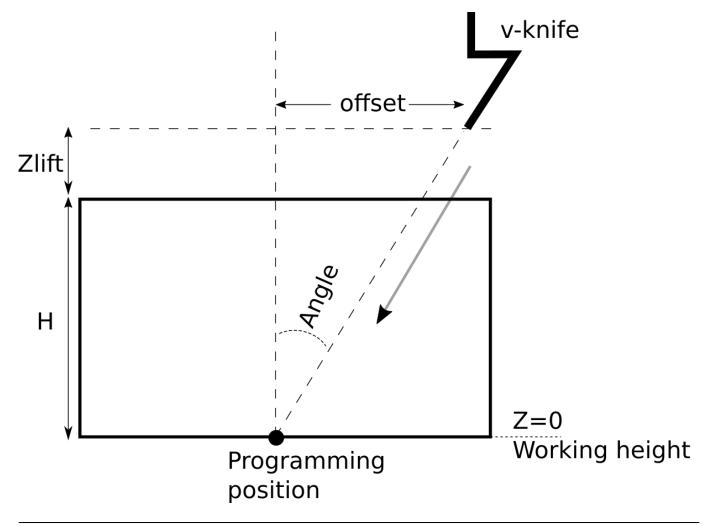
- **Tool lift**: Specifies the height by which the 45-degree knife will be lifted as it travels between parts
- Material thickness: Specifies the material thickness in mm
- Knife 45 degree width compensation: Specifies the necessary width compensation
- **Knife XX angle**: The angle of the inclined knife can be set to other than 45 (such as 22.5 degrees)
- Feed: Specifies the speed with which the 45-degree knife moves in the XY plane
- Feed Z: Specifies the speed with which the 45-degree knife moves in the Z plane (lift/descend)
- Working height: Usually left at 0.

V-knife also has the direction of cut functionality for its contours:



In the examples above, two contours are selected to be cut clockwise, while two are selected as counterclockwise.

A diagram illustrating a typical v-knife setup:



In the diagram above, the working height is the cutting height. The entry is made at H, the material thickness, plus the lift height.

NOTE: As V-cut and V-knife functionality is primarily designed to cut materials such as thick foams (of a set given thickness), no additional options are provided for applications such as chamfering.

For each straight cutting section, a displacement perpendicular to the movement is taken depending on the thickness of the material and the lift value, an incision is made so that the knife will arrive to a given XY coordinate when it reaches the working height.

At the end of the cutting line, the knife is removed from the material and is moved ont the next line (taking correction into account). For this reason, the current implementation does not works on circles/arcs - when attempting to make a curve, the knife will be inserted and removed at joint points, resulting in an uneven/chopped edge. Therefore, V-knife functionality is currently recommended for straight line cutting only.

# S-knife

Custom client request, may not be suitable for production.

Similar to regular knife ("straight-knife"), however the rotation is limited to +-180 degrees.

## Knife-L180

Custom client request, may not be suitable for production.

Similar to S-knife, custom client modification.

# **DXF File settings**

The DXF file settings allow the user to specify the particular tools and tool numbers used for each layer of the DXF file, as well as edit the following options:

- Scale: of the DXF file
- Offset XY for the offset values
- Enable toggle to quickly turn the tool ON and OFF
- Priority
- Direction toggle
- Double-pass toggle

### Layers and colours for tool paths

myCNC (as of version 1.88.5609) allows the users to assign different tools within the generated files to different colours (as opposed to the standard layers). In order to enable this option, head into

Settings > Config > DXF Import Settings, and enable the Colors option for DXF Tools:

			CFG
CNC Settings Axes/Motors Inputs/Outputs/Sensors Network Motion PLC G-codes settings DXF import settings Macro List Macro Wizard Probing Wizard Proferences Shape Library Settings Screen Work Offsets Parking Coordinates	Laser Pointer Laser Cutting Marking Laser Pointer lift Feed	ng 10 1000	
<ul> <li>Technology</li> <li>Camera</li> <li>5 axes RTCP</li> <li>Panel/Pendant</li> <li>Hardware</li> <li>Advanced</li> </ul>	DXF Header DXF Factor DXF Tools	Colors _	
	DXF CooleCettings Table in DXF Imper DXF Offset (X, Y) Ellipses interpolation by Ellipse segments DXF toolpath optimisation Contour direction Origin point based on	0 x 0 lines - 16 - Original - All Layers -	ment Merge To

This will make the DXF files with different colours per specific contours to be recognized as distinct tool paths, which you can then assign to the necessary tools at the DXF Import screen:

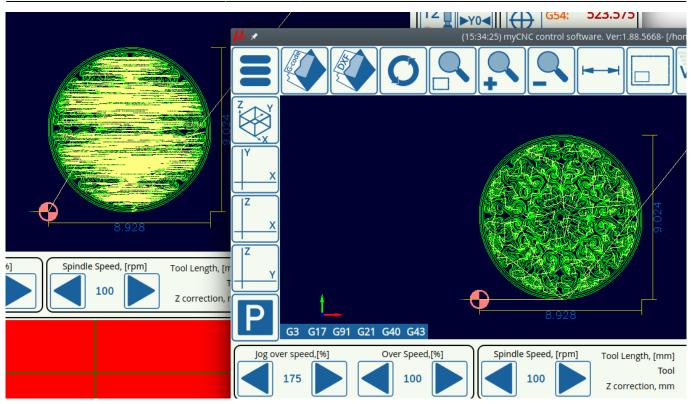
μ 🖈 🔹 (14:44:18) myCNC contro	l software. \	/er:1.88.5608- [/home/sk/DNC/!TEST/2022	2/05/SHREEJI/MY CNC SOFTWARE SAMPLE BOX.DXF.nc] $\sim$ (
Path	Folder	/home/sk/DNC/ITEST/2022/05/SHREE	
SHREEJI1	Folder	/home/sk/DNC/ITEST/2022/05/SHR	Laser Pointer Laser Cutting Marking
<ul> <li>SHREEJI2</li> </ul>	Folder	/home/sk/DNC/ITEST/2022/05/SHR	
66 68 76 78.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	Laser Pointer lift 10
71 73 74 75 SD18.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	Feed 1000
77 79.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	
80 93 95 300 01 SD19.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	
83 86 87.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	
89 90 91.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	
94 96 97.dxf	File	/home/sk/DNC/ITEST/2022/05/SHR	Scale 1
L22APR120298.DXF	File	/home/sk/DNC/ITEST/2022/05/SHR	Offset X,Y 0 0
L22APR120303.DXF	File	/home/sk/DNC/ITEST/2022/05/SHR	
L22APR120304.DXF	File	/home/sk/DNC/ITEST/2022/05/SHR	SAVE
L22APR130314.DXF	File	/home/sk/DNC/ITEST/2022/05/SHR	
MY CNC SOFTWARE SAMPLE B	. File	/home/sk/DNC/ITEST/2022/05/SHR	Enable
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		SAMPLE CREWN	Green 4 PT -
		8 PT PER	
		0 PT VELLON	SPT
		4 PT KASSINA	MARKING -
		• FT #YAN	
		HARMING AUTOCAN	Cyan SAMPLE _
		BERNER BRENI-SO	Magenta BORDER -
/ · · · · · · · · · · · · · · · · · · ·			
-			
			· /
Destination Folder: /home/sk/DNC/!	TEST/2022	2/05/SHREEJI	
File name: /home/sk/DNC/!	TEST/2022	2/05/SHREEJI/MY CNC SOFTWARE SA	SAMPLE BOX.DXF

(NOTE: The above screenshot also features the laser cutting DXF import mode: Laser Cutting)

### **DXF** toolpath optimization

The **DXF toolpath optimization** toggle allows the myCNC software to optimize cut time in DXF/HPGL files by choosing the closest next cut as the program is running. This setting is usually left ON, as it allows to create a valid toolpath for a simple Photoshop file etc, however in case that the file you are importing already has a specified toolpath it can be toggled OFF so that the toolpaths do not conflict. See the screenshot below for a comparison of unoptimized versus optimized HPGL import:





# Example of setting up DXF import functionality

In our example, we will be enabling DXF import for plasma cutting. Please note, that plasma cutting using DXF files is limited in functionality (lacking features such as kerf compensation, etc), and should not be used as a dedicated CAM software replacement.

1) Enable the checkmark in the Plasma line within DXF settings and disable other tabs (unless multiple tools are used):

SYS PLC Re	(11:46:46) myCNC cor port Info Support Cutch		[/home/sk/DNC/LIBS/lib-shape-008.nc]		SAVE CFG
CNC Settings Axes/Motors Inputs/Outputs/Sensors Network Motion PLC G-codes settings DXF import settings Macro List Macro List Macro Wizard Proferences Preferences Screen Work Offsets Parking Coordinates Technology Camera 5 axes RTCP Panel/Pendant Hardware Advanced	DXF Header DXF Footer Hide DXF Settings Tabs in DXF Ir DXF Scale DXF Offset (X, Y) Ellipses interpolation by Ellipse segments DXF toolpath optimisation Contour direction Origin point based on Spline segments	nport 1		ClearLayers	Ē
	Pneumatic Li Knife support Creasing Wheel support S-Knife support Spindle Single Pass Pocket Marker Router-S Laser Pointer	ft, Knife Up: M 8	Knife Down: M 7 + Half-Knife support V-Knife support Kiss-Knife support Spindle Mult Pass Plasma Pen Router-V Layers priority support	₽	ŕ

2) A tab with plasma cutting settings should appear in the DXF import window, fill in the parameters such as feed and lead-in:

h	Folder	/media				
/home/sk/DNC/	Folder	/home/sk/DNC/	Plasma/Gas			
!!!	Folder	/home/sk/DNC//!!!				
11110	Folder	/home/sk/DNC//!!!!0	Contour	Internal	External	
!!1	Folder	/home/sk/DNC//!!1				
ISD-Print	Folder	/home/sk/DNC//!3D-Print	Mode	Arc	- Arc	-
!Bevel	Folder	/home/sk/DNC//!Bevel		40	<b>A</b>	•
IBUGS	Folder	/home/sk/DNC//!BUGS	Line Length	10	<b>‡</b> 10	÷
DXF	Folder	/home/sk/DNC//!DXF		20	\$ 30	÷
1	Folder	/home/sk/DNC//!DXF/1	Line Angle	30	▼ 30	<b>_</b>
2017	Folder	/home/sk/DNC//!DXF/2017	Arc Radius	10	€ 10	
2018	Folder	/home/sk/DNC//!DXF/2018	Arc Radius	10	<b>\$</b> 10	
~ 2020	Folder	/home/sk/DNC//!DXF/2020	Lead In from middle			
09	Folder	/home/sk/DNC//!DXF/2020/09	Lead in nom middle			
11	Folder	/home/sk/DNC//!DXF/2020/09	Feed			
12	Folder	/home/sk/DNC//!DXF/2020/11				
lines-002.dxf	File	/home/sk/DNC//!DXF/2020/lines-002.dxf				
square-001.dxf	File	/home/sk/DNC//!DXF/2020/square-001.dxf				
2021	Folder	/home/sk/DNC//!DXF/2020/square-001.uxt	Scale 1			
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			Offset X,Y 0 0			
				Double		
			, F	Pass		
				.ayer_1		
			A) Plasma/Laser M71/M	74 - T1 -		
	/					
tination Folder: /home/sk/[	DNC/					
name: /home/sk/[		20/square-001.dxf				
name: /nome/sk/t	BRGHEDAP120	Loroquare ool.uxi				

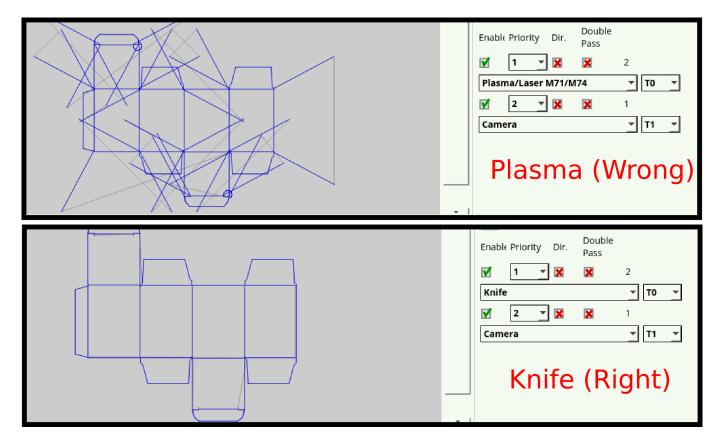
3) Assign the layer in which your part is drawn to the Plasma tool M71 / M74. Check the Enable checkbox for this layer:

Path	Folder	/media					
ath ASN bugs Dotori Ecocut Limac #02.dxf 16.DXF 1册到測试dxf 2003.DXF 21123.DXF 2到试文件.dxf bulge-05.dxf bulge05.dxf bulge05.dxf bulge05.dxf	Folder Folder Folder Folder File File File File File File File File	/media /home/sk/DNC///DXF/ASN /home/sk/DNC///DXF/bugs /home/sk/DNC///DXF/borin /home/sk/DNC///DXF/Ecocut /home/sk/DNC///DXF/Icocut /home/sk/DNC///DXF/102.dxf /home/sk/DNC///DXF/102.dxf /home/sk/DNC///DXF/1023.dxF /home/sk/DNC///DXF/21123.DXF /home/sk/DNC///DXF/21123.DXF /home/sk/DNC///DXF/21123.DXF /home/sk/DNC///DXF/21123.DXF /home/sk/DNC///DXF/bulge-0.dxf /home/sk/DNC///DXF/bulge-2.dxf /home/sk/DNC///DXF/bulge-2.dxf /home/sk/DNC///DXF/bulge-2.dxf		Plasma/Gas         Contour         Mode         Line Length         Line Angle         Arc Radius         Lead In from middle         Feed         Scale         Offset X,Y         O         Lb         Enable Priority Dir.	Internal Arc 10 30 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	External  Arc  10  30  10  10  10  10  10  10  10  10	
Destination Folder: /home File name: /home		20/square-001.dxf	-			$\mathbf{x}$	~

# Visualization

The visualization window serves as a visual indication for the user as to how the DXF file that is being imported will look. It also allows to catch some simple mistakes in file settings such as the wrong technology or the wrong priority being selected for each layer of the DXF file.

As an example, below is a visualization of a DXF file designed with a tangential knife in mind. If the tool has been incorrectly selected to be a plasma cutter, the visualization can serve as a useful reminder to the user:

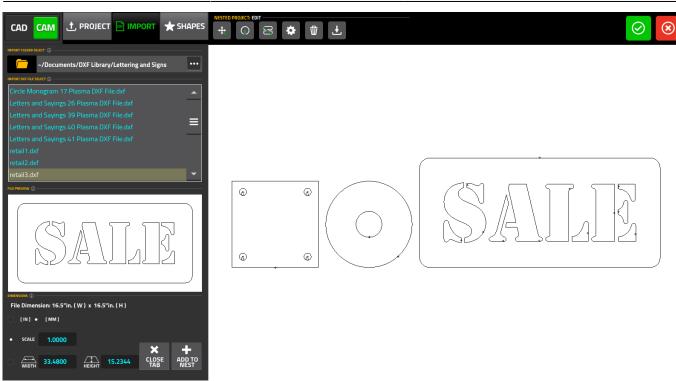


# DXF import settings configuration dialogue

For a full description of the DXF settings configuration dialogue, please consult the myCNC Configuration Dialogues page.

# Segment Merge Tolerance

Last update: 2024/02/01 16:36



Segment Merge Tolerance has been introduced to fix an issue where the visualization at the Import screen would appear to have disconnected lines. For HPGL files this Tolerance value must be at least 0.03mm (as the files tend to contain integer values with a precision of approximately 0.025, and even with correct rendering, there may be discrepancies in rounding). For DXF files, this value depends on the original drawing method and the software used to design the file. Ideally, DXF files should work well with a Tolerance value of around 0.001mm, however the actual necessary value may be different depending on the imported files.





If this issue appears, a value of around 0.05 may be a good starting point to try and fix this visual problem.

# DXF2-Import (Plasma Update)

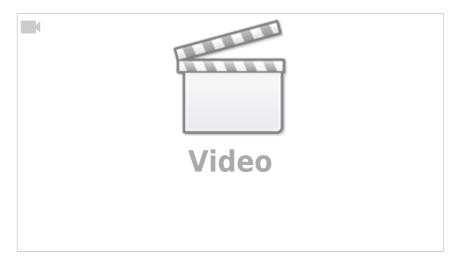
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The UI and functionalty overhaul for DXF import is available as of the late 2023. The highlights are as follows:

- For closed contours, a correction for the width of the cut (kerf) can now be considered internal cutouts and external parts are taken into account
  - $\circ\,$  For open contours, the system still follows a given toolpath
- Lead-in/lead-out editing, size, position and type of lead-in/lead-out adjustiments
- Ability to freely move, scale, mirror and rotate imported DXF file(s) in the CAM editor
- Cut Sequence functionality, allowing to change the cutting sequence for the imported files
- Ability to save/load existing CAM projects within the DXF Import window.

The video below showcases the functionality of DXF2-Import in more detail:



To enable the new DXF2 Import functionality:

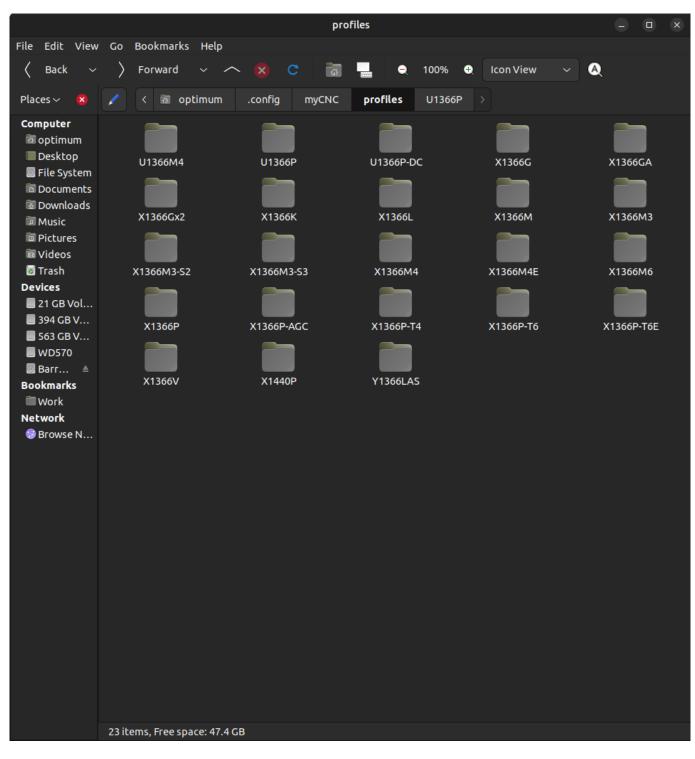
**1.** On your PC, open your profile folder (for plasma cutting, typically X1366P):

On Linux, this folder will be located in

/home/user\_name/.config/myCNC/profiles...

On Windows, this folder will be located in

## C:/Users/User\_Name/myCNC/profiles...



Read more about myCNC profiles here: MyCNC profiles

**2.** Within your current profile folder (for plasma cutting, this is typically X1366P), open the **cnc-screen.xml** file in your text editor of choice (Pluma by default on Ubuntu MATE).

**3.** Within the opened file, locate the following block of code:

```
<gitem where="xp" position="160;0" width="80" height="80"
image="dxf-open" action="dxf-import"
tooltip="Import a DXF file" tooltip_ru="Открыть DXF файл"
type="button" hotkey="F4"></gitem>
```

**Note**: The exact block of code may look slightly different (with regards to the position value, etc), with the important part being the dxf-import line.

Replace the section

action="dxf-import"

with

:

action="dxf2-import"

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

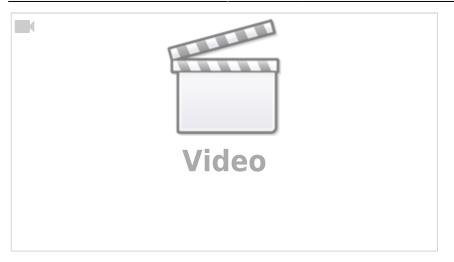
cnc-screen.xml (~/.config/myCNC/profiles/X1366P) - Pluma 🛛 💷 🗙
File Edit View Search Tools Documents Help
📄 🛅 Open 🗸 🛓 Save 📑 🎮 🖍 Undo 🔿 🕺 🖥 💼 🍋 🍳 🍳
💀 cnc-screen.xml 🙁
1 xml version="1.0" encoding="UTF-8"?
2 CNC 3 <mycnc-screen-custom version="1.0"></mycnc-screen-custom>
4 <screen></screen>
5 <work-layouts></work-layouts>
6 <current>xplasma</current> 7 <layout name="xplasma" orientation="horizontal"></layout>
7 <layout name="xplasma" orientation="horizontal"> 8 <widget <="" basewidth="1366" bgcolor="##b-main" name="xp" td=""></widget></layout>
<pre>baseheight="768"&gt;myitems</pre>
9
10
12 <gitem <="" action="open" height="80" image="open" position="80;0" td="" where="xp" width="80"></gitem>
tooltip="Open G-code file" tooltip_ru="Открыть файл" type="button"> 1 <gitem <="" action="dxf2-&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;u&gt;import" height="80" image="dxf-open" position="160;0" u="" where="xp" width="80"> tooltip="Import a DXF file" tooltip_ru="Открыть DXF файл" type="button"</gitem>
<pre>hotkey="F4"&gt;</pre>
14 <gitem action="file-&lt;br&gt;refresh" height="80" image="refresh" position="240;0" tooltip="Refresh program file" tooltip_ru="Перезагрузить файл" type="button" where="xp" width="80"><!--</td--></gitem>
gitem>
15 <gitem action="fit-&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;to-view" height="80" image="zoom-fit" position="320;0" tooltip="Fit to screen" tooltip_ru="Масштабировать под экран" type="button" where="xp" width="80"></gitem>
<pre>16 <gitem action="zoom-&lt;br&gt;in" height="80" image="zoom-in" position="400;0" su="Vacanumus" tealtine="" turne="button" where="xp" width="80"></gitem></pre>
in" tooltip="Zoom in" tooltip_ru="Увеличить" type="button"/> 17 <gitem action="zoom-&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;out" height="80" image="zoom-out" position="480;0" tooltip="Zoom out" tooltip_ru="Уменьшить" type="button" where="xp" width="80"></gitem>
18 < gitem where="xp" position="560;0" width="80" height="80" image="dimension" action="mode-
show-dimension" <b>tooltip=</b> "Show program dimensions" <b>tooltip_ru=</b> "Показать размеры программы" <b>type=</b> "button"/>
19 <gitem <="" action="mode-&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;show-workarea" height="80" image="zoom-area" position="640;0" td="" tooltip="Show work area" tooltip_ru="Показать рабочий стол" type="button" where="xp" width="80"></gitem>
20 <gitem <="" height="80" image="keyboard/keyboard" position="720;0" td="" where="xp" width="80"></gitem>
action="mdi-open" tooltip="Open the MDI widget" tooltip_ru="Ввод с экранной клавиатуры"
<pre>type="button"&gt; 21 <gitem <="" height="80" position="800;0" pre="" where="xp" width="80"></gitem></pre>
<pre>22 image="home/xyz" action="direct-run-confirm:M138" tooltip="Run XYZ homing"</pre>
tooltip_ru="Хоуминг по осям XYZ" type="button">
23 <message-confirm>Run Homing XYZ. Are you sure?</message-confirm>
24  25 </td
26 <gitem <="" height="80" image="tabs/vars" position="880;0" td="" where="xp" width="80"></gitem>
27 tooltip="Global variables widget" tooltip_ru="Глобальные переменные" action="mywidget-
toggle:x-varsview" type="button"/>
28> 29
30
XML $\sim$ Tab Width: 4 $\sim$ Ln 13, Col 1 INS

Save the file and close the text editor program.

**4.** Reload the myCNC software for the changes to take effect.

To switch back to the original DXF Import window, repeat the steps and replace the line back to action="dxf-import".

A video showcasing the steps to enable DXF2 Import:



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Permanent link: http://cnc42.com/quickstart/mycnc-quick-start/dxf-import

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