# DXFTool For CorelDRAW Professional Edition

Copyright 2009-2050 Leonard CNC Software

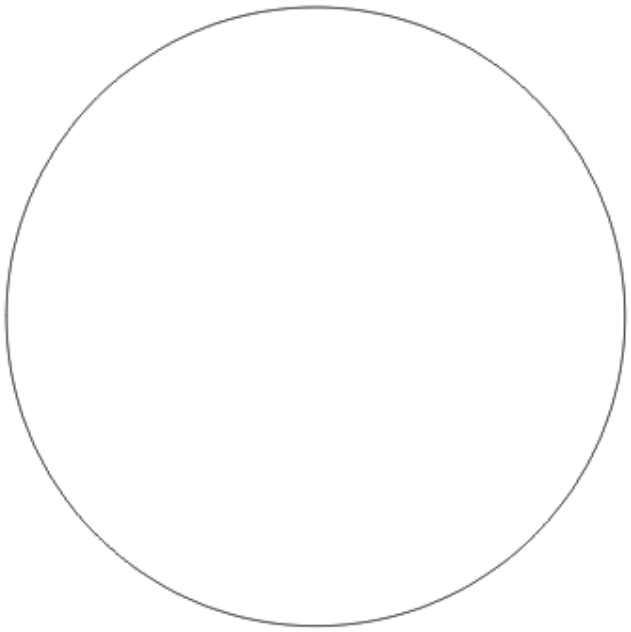
# Table of Contents

# DXFTool For CorelDRAW Professional Edition

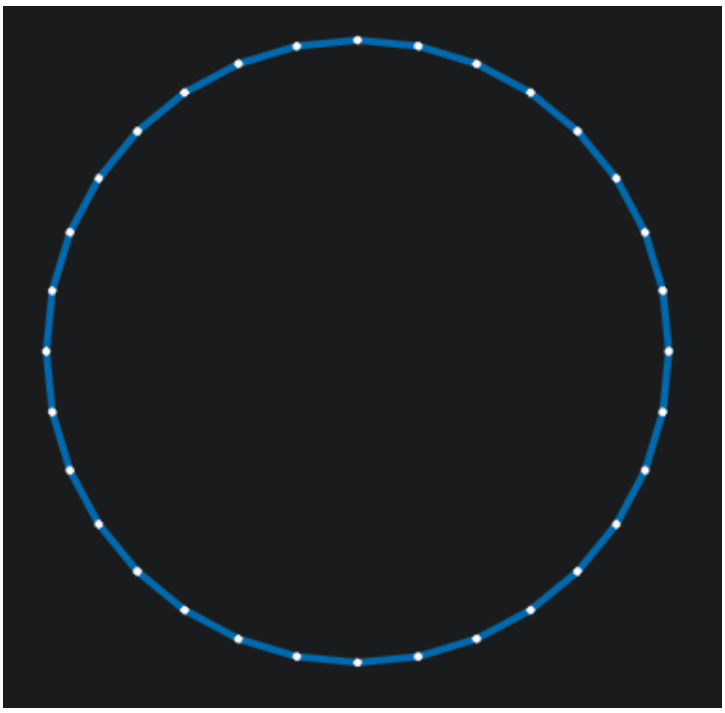
http://www.LeonardCNCSoftware.com

The DXFTool Professional Edition is a utility program that provides very high quality DXF files for use in CAD / CAM programs. They are also very useful for Laser and Vinyl cutting systems that use DXF files since text handling is optimized and you do NOT have to ever convert your drawing to curves. The advantages of this tool are provided by conversions of the bezier curves in CorelDRAW to LINE and ARC DXF entities only. What this means is that instead of a large number of very short lines the DXF file has as many smooth curves as can be made from the CorelDRAW shapes in your drawing. The Professional Edition has three types of exports. A simple DXF file which has only LINE and ARC entities, a DXF file that has POLYLINES for each shape consisting of small line segments only and a DXF file that has POLYLINES with ARC bulges so that each shape is a fully linked series of LINE and ARC entities. We call this export type a POLYARC.

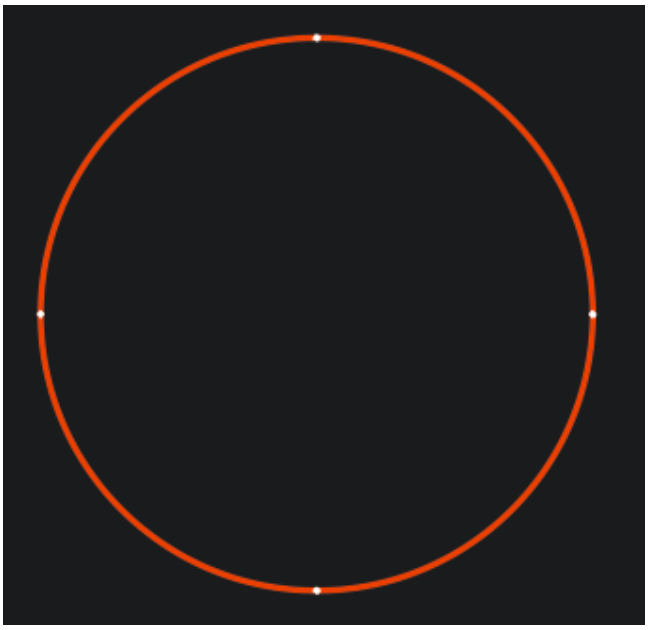
A simple circle can be hard to cut when it is many small lines instead of arcs as most CAD programs would make it. Here is a circle from CorelDRAW.

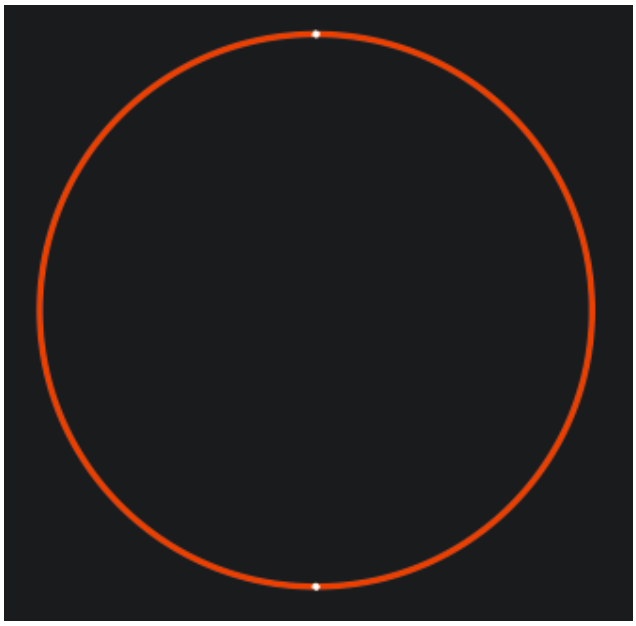


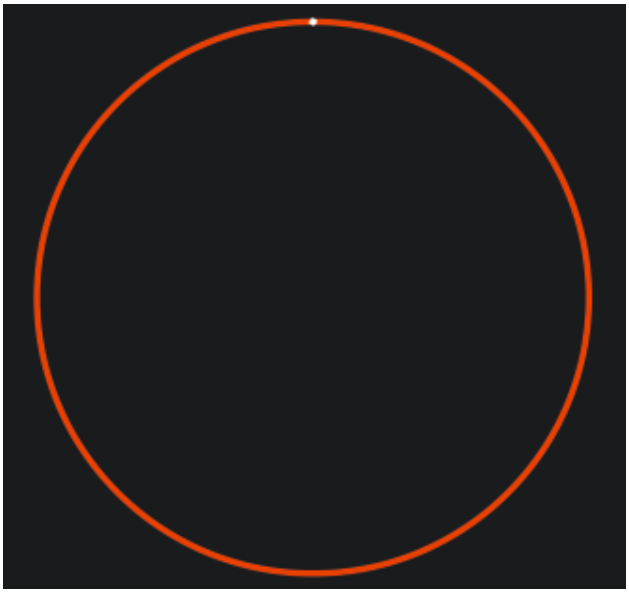
The CorelDRAW DXF export produces this result. It is NOT very friendly to most CNC systems. It is a series of lines as defined by the curve resolution inside CorelDRAW.

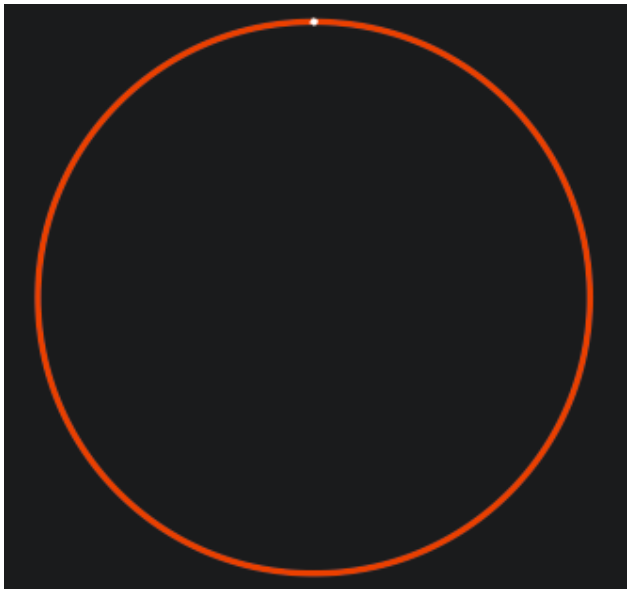


The DXFTool Professional Edition export is at MOST 4 arcs. This is a large reduction in node count and an even larger saving in cutting time if your CNC system stops at every end of line. You can also have circles that are two arcs, one arc and a DXF CIRCLE entity for the smallest possible DXF files.









Note that the 1 arc circle and the DXF circle entity are essentially identical. It just depends on what your software needs. This allows the DXF file to be optimized for applications where the size of the file is very important.

The DXTool Professional Edition is the best solution for using CorelDRAW with CNC. CorelDRAW is a world class drawing program and now it also does CNC very well!

# DXFTool For CorelDRAW Professional Edition

Installation of the DXFTool Professional Edition is very simple. Just select the installer you want (V12, X3 or X4) and run the 'Setup.exe' program that is in that ZIP file. We don't automatically detect which version you want since many people (myself included) have multiple versions. I have V12, X3 and X4 all installed together on my development laptop. In fact, you can install for all three and one license will work for all!

If you can't unzip the distribution file(s) then you can download WinZIP from Corel:

http://www.winzip.com/

There is a free WinZIP alternative from:

http://www.jzip.com/

## *Disk Drive Used*

If your computer does NOT have a C: drive then just install as usual. Substitute the drive letter you installed on for the C: in the examples in this document. For example, a system that only has an I: main disk drive will usually have CorelDRAW X3 installed here:

I:\Program Files\Corel\CorelDRAW Graphics Suite 13

## *Windows Vista*

Windows Vista is only supported for CorelDRAW X3 and X4, since Corel only supports X3 and X4.

Please disable the UAC temporarily before installing.

## *Windows 7*

Windows 7 is only officially supported for CorelDRAW X4, since Corel only supports X4.

However, X3 with SP2 seems to work well. SP1 for X3 would not install on Windows 7 for me so it may not be a viable choice. Our software does work though.

Please disable the UAC temporarily before installing.

## *Customizing the Command Bar for CorelDRAW X3 and X4*

The 'Settings' dialog contains a listbox of available Command Bars that can be used for the DXFTool Professional Edition plugin icon. It defaults to the 'Standard' Command Bar but it can be set to any other Command Bar including and custom Command Bar that .you might create.

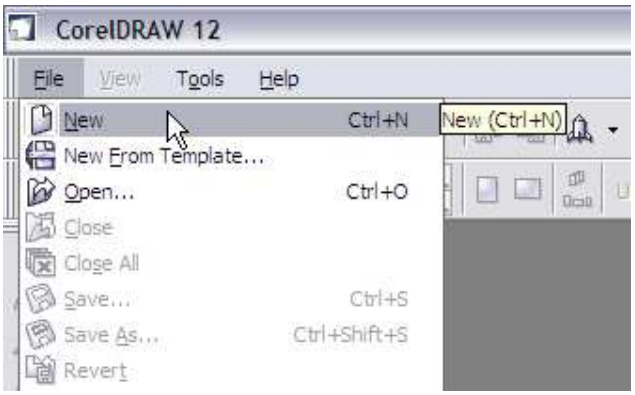
## *CorelDRAW Version 12 Special Instructions*

The V12 installer does NOT install the workspace for DxfTool Professional Edition with the DXFTool button automatically. You will find an exported workspace in the DxfToolPro folder under the \Draw folder:

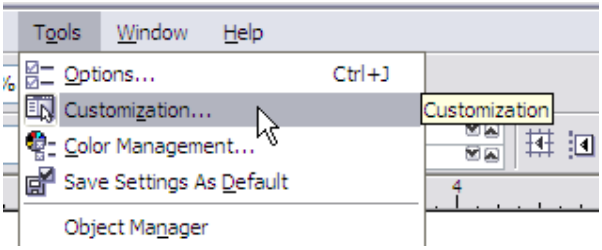
C:\Program Files\Corel\Corel Graphics 12\Draw\DxfToolPro\DxfToolPro.xslt

This workspace can be imported into CorelDRAW 12 by these steps:

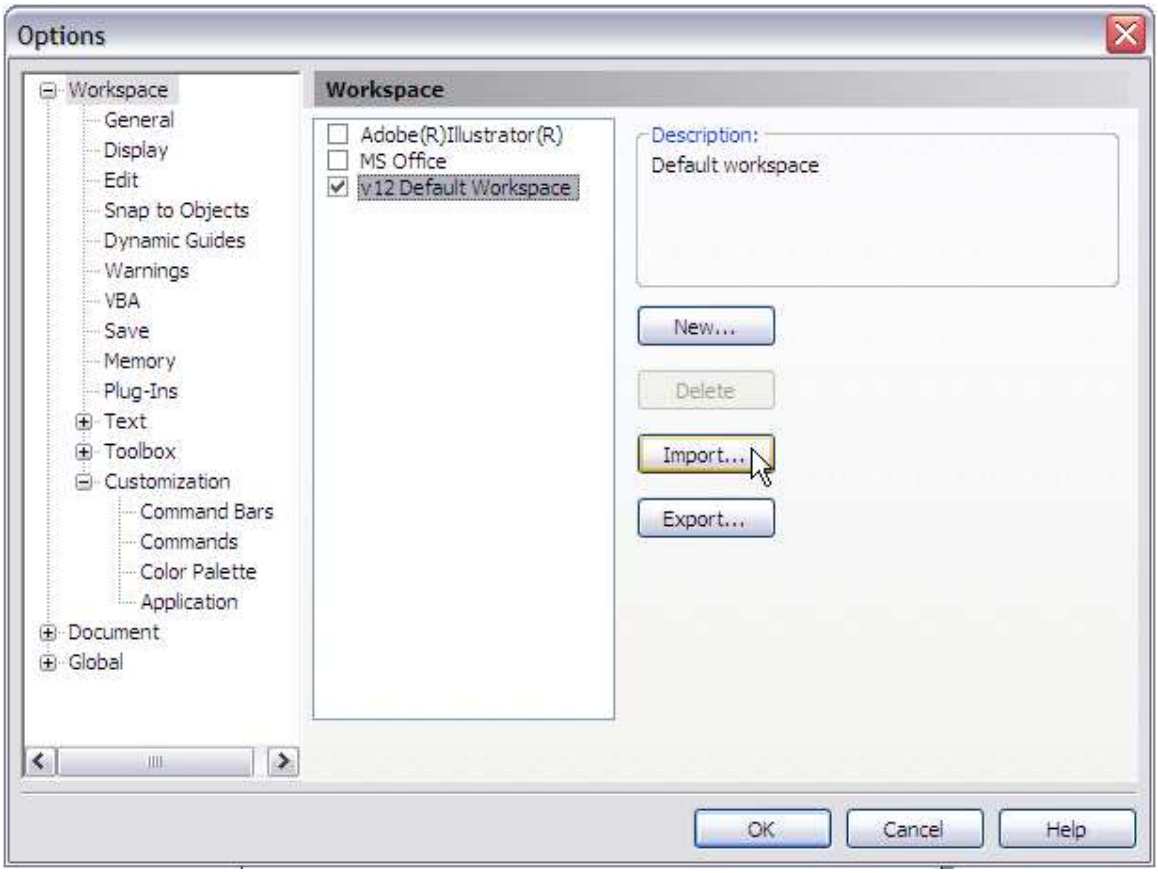
**01**. open or create a drawing. The CorelDRAW menus you need will NOT appear until you do this.

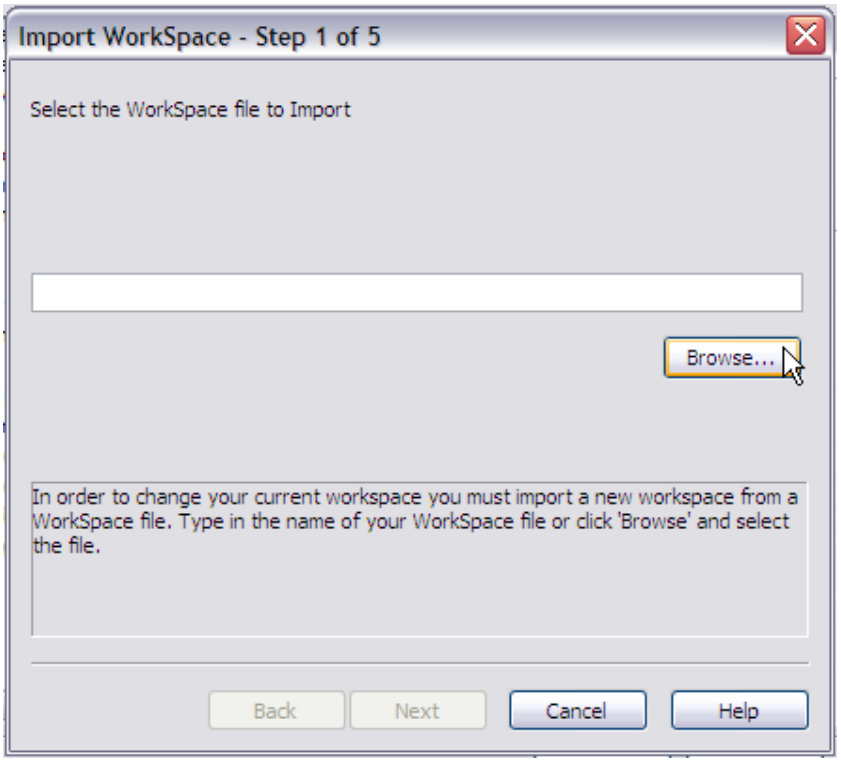


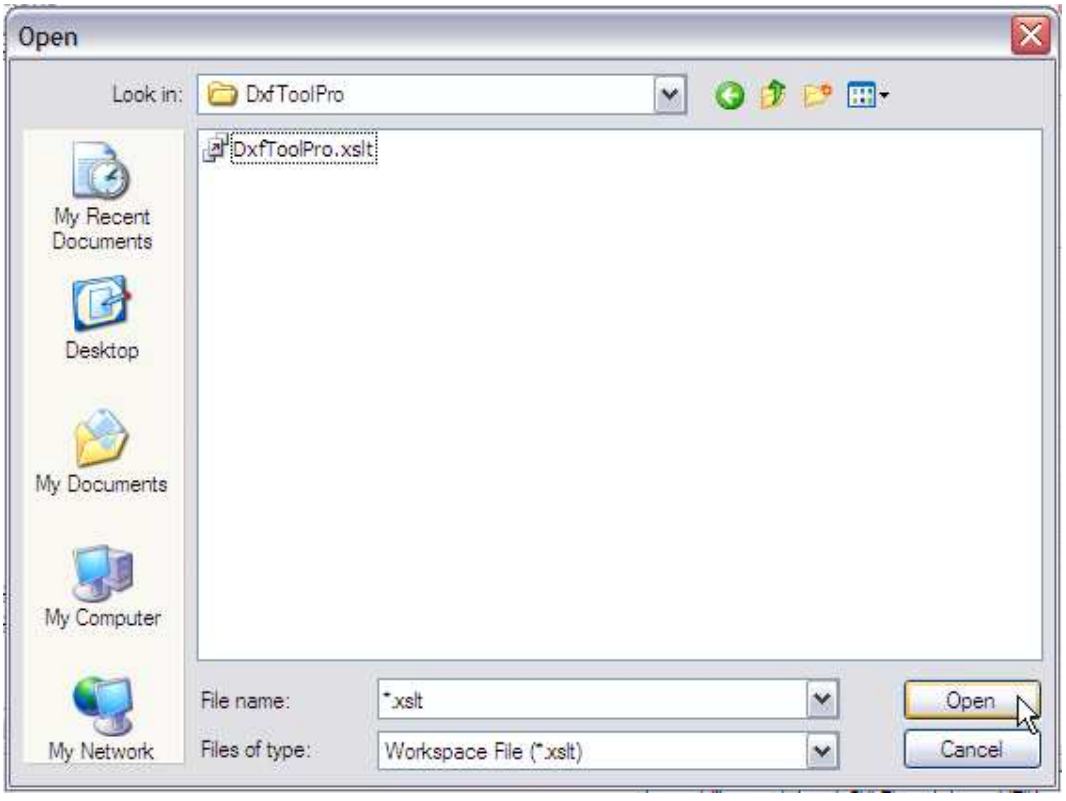

**02**. The menu item Tools->Customization->Workspace is where you customize V12 workspaces. Select the workspace that you want the DXFTool workspace to be based on when you create the new workspace.

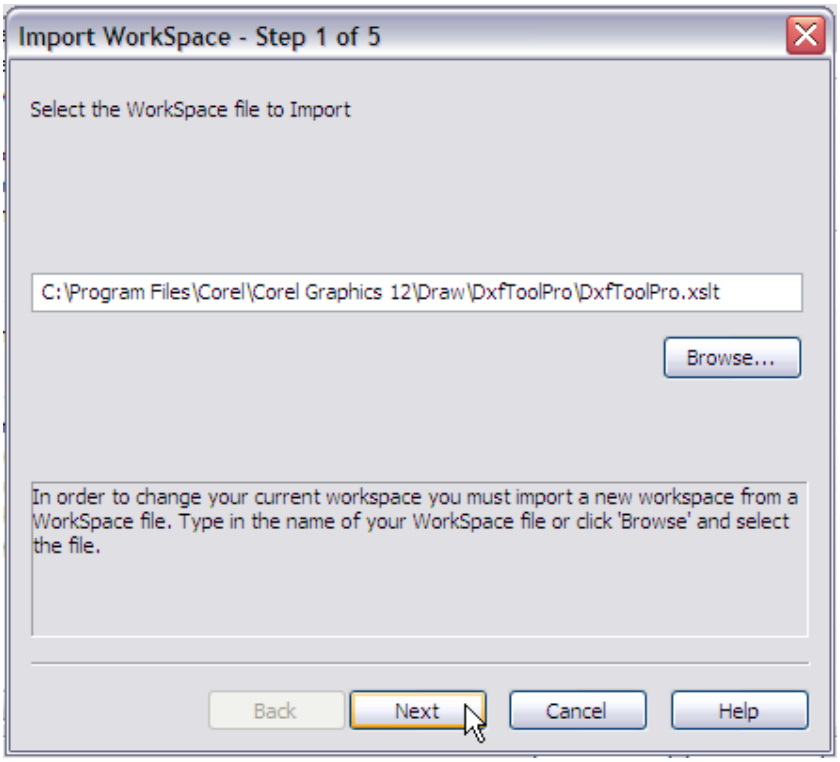



**03**. The panel on the right shows an 'Import' button. Press it and a screen will display that will allow you to browse for this workspace file in the \Draw\DxfToolPro folder. Browse to the file 'DxfToolPro.xslt'. You will find it at:
C:\Program Files\Corel\Corel Graphics 12\Draw\DxfToolPro\DxfToolPro.xslt

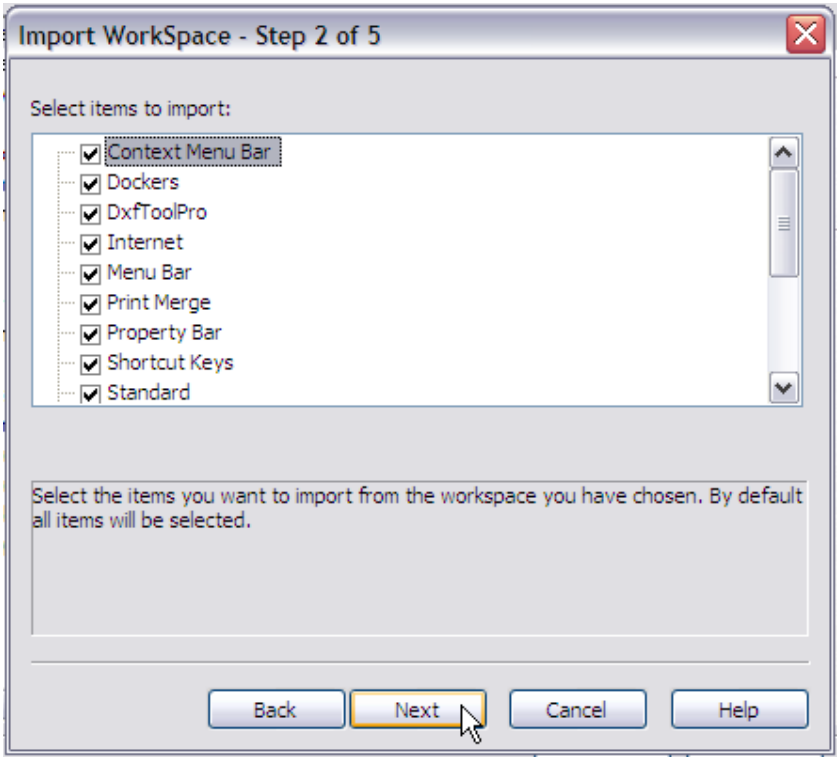



Import WorkSpace - Step 1 of 5
Select the WorkSpace file to Import
Browse...
In order to change your current workspace you must import a new workspace from a WorkSpace file. Type in the name of your WorkSpace file or click 'Browse' and select the file.
Back
Next
Cancel
Help

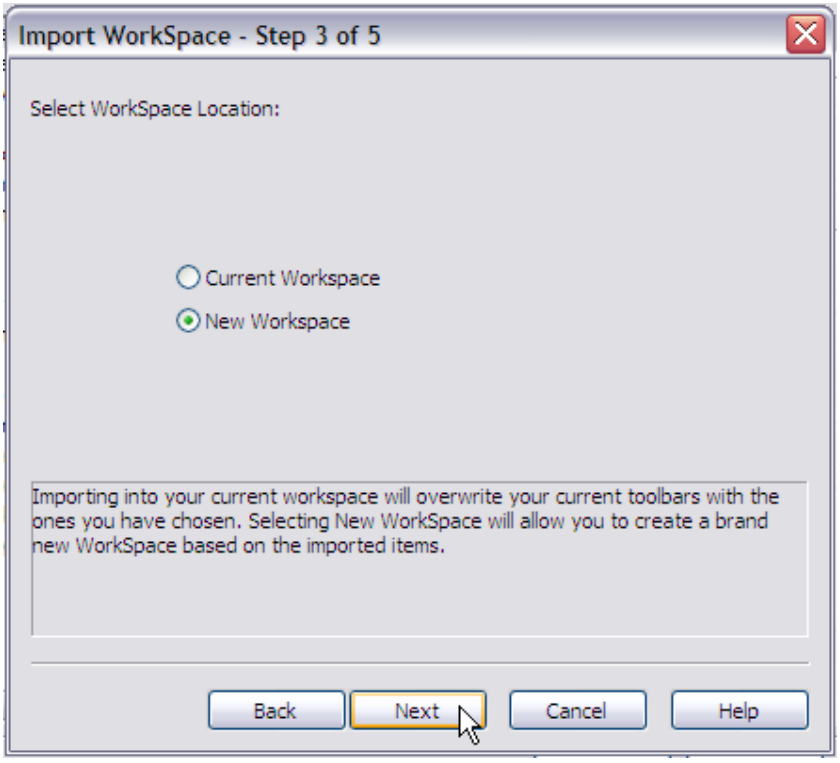

Open
Look in:
DxfToolPro
DxfToolPro.xslt
My Recent Documents
Desktop
My Documents
My Computer
My Network
File name:
*.xslt
Files of type:
Workspace File (*.xslt)
Open
Cancel



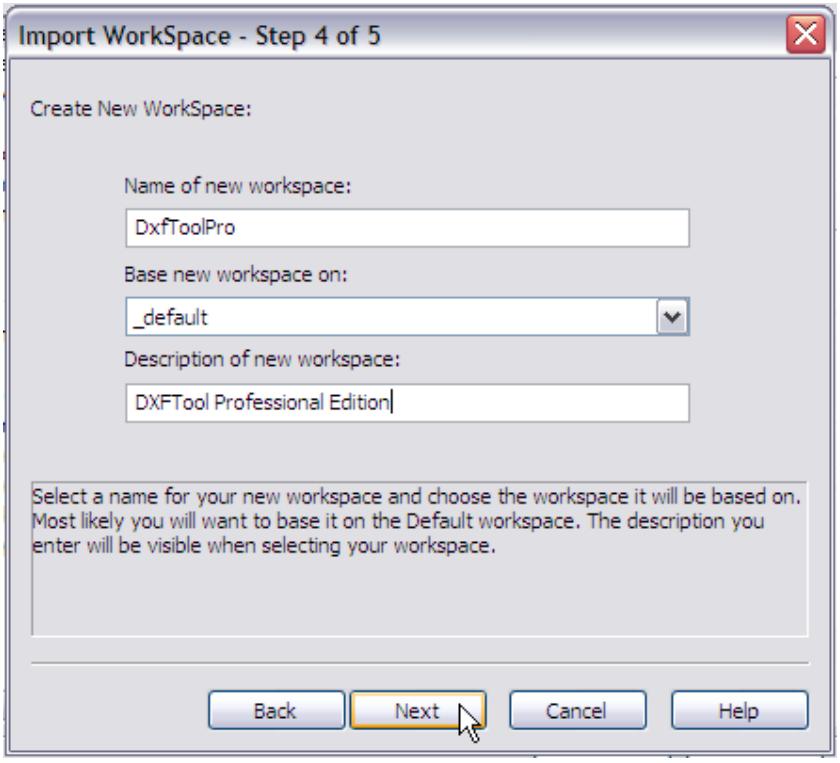

**04**. Press the 'Next' button and you will see a list of items to import. Just leave all the checkboxes checked and then press the 'Next' button again.



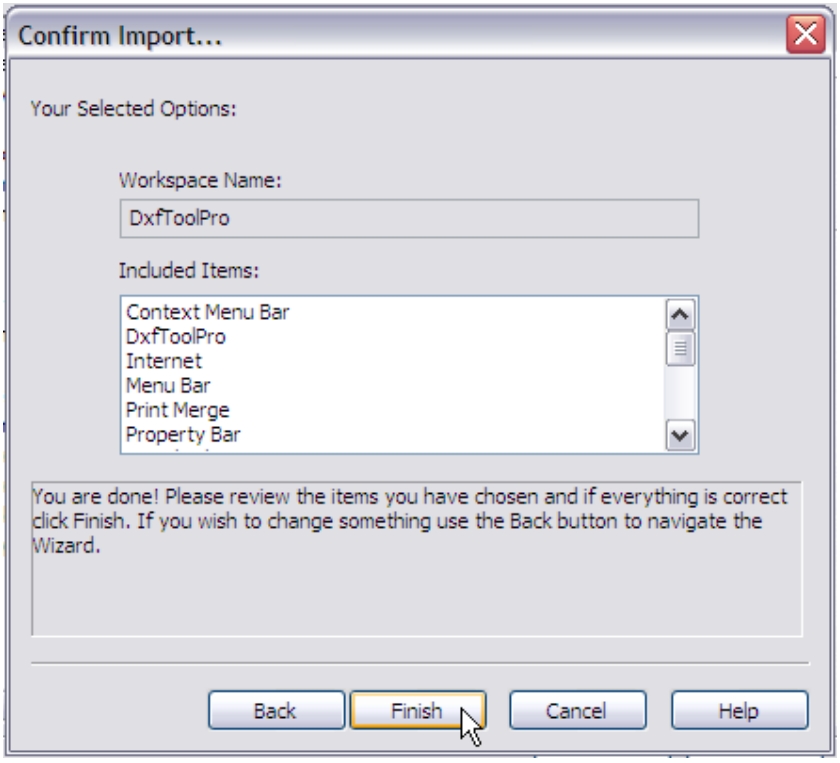
**05**. Select the 'New Workspace' radio button and then press 'Next'.

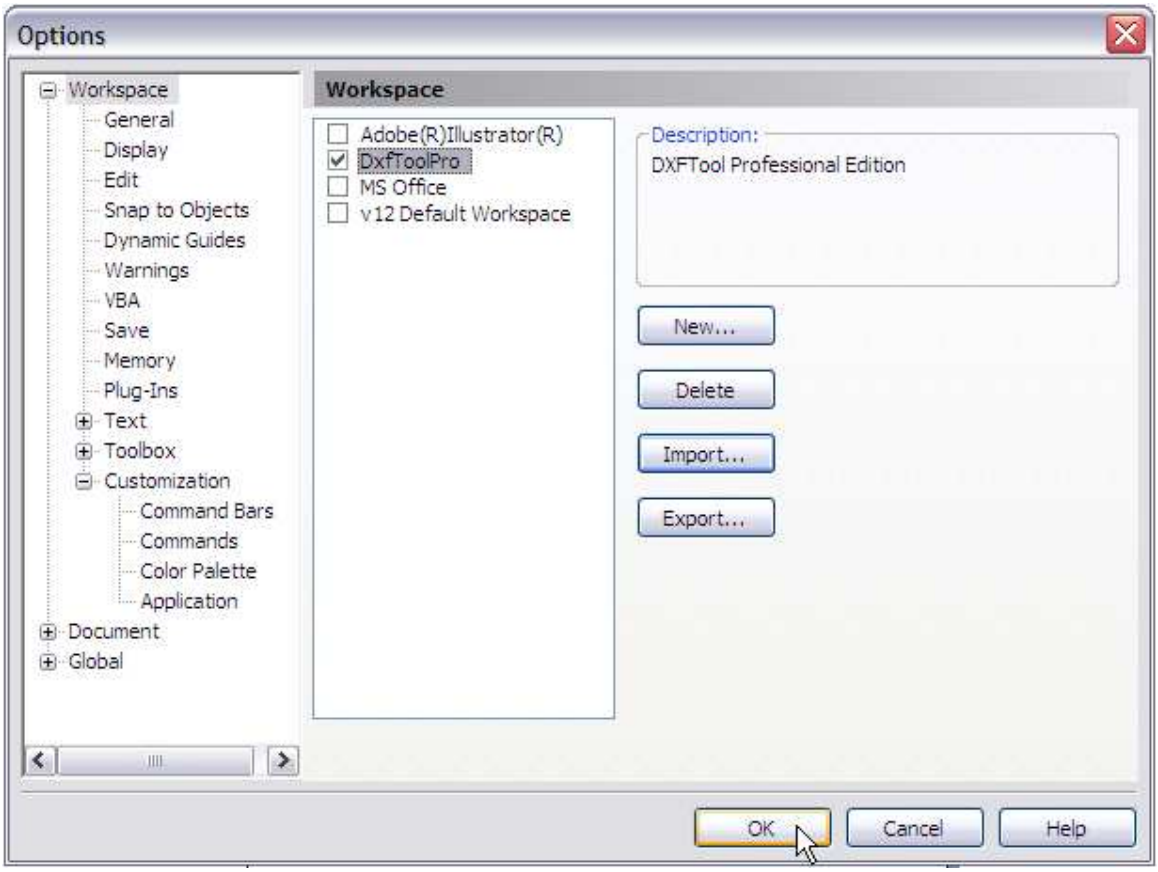



**06**. Name the new workspace 'DxfToolPro then press 'Next'.



**07**. You will see a list of everything included in the new workspace. Just press 'Finish' and the DXFTool icon will appear on the Standard toolbar.



**NOTE:** CorelDRAW Version 12 treats a workspace modification as a drawing change. Please save the current drawing and then exit CorelDRAW to complete the process.

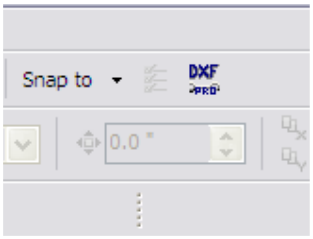
**NOTE:** If you want to add the DXFTool Professional Edition to your own workspace there is an icon at:

C:\Program Files\Corel\Corel Graphics 12\Draw\DxfToolPro\DxfToolPro.ico

# DXFTool For CorelDRAW Professional Edition

The DXFTool was originally written in CorelDRAW VBA. This was a good first step, but it had some disadvantages. The biggest one was the need to have VBA installed in your copy of CorelDRAW. Some people did not install VBA and some OEM versions of CorelDRAW (particularly X3) did NOT include VBA in the distribution.

The new DXFTool Professional Edition has been rewritten in C++ to give many benefits. It is faster, better integrated with CorelDRAW and supports multiple versions with ease! The V12 version does still require VBA to start it but both the X3 and X4 version run from a plugin. No custom workspace is needed for X3 and X4, the plugin just adds a button to the Standard toolbar when it starts up. The DXFTool Professional Edition icon is different, it is a black DXF with a wrench together so you know that you have 'tools'. Here is what it looks like on X4:

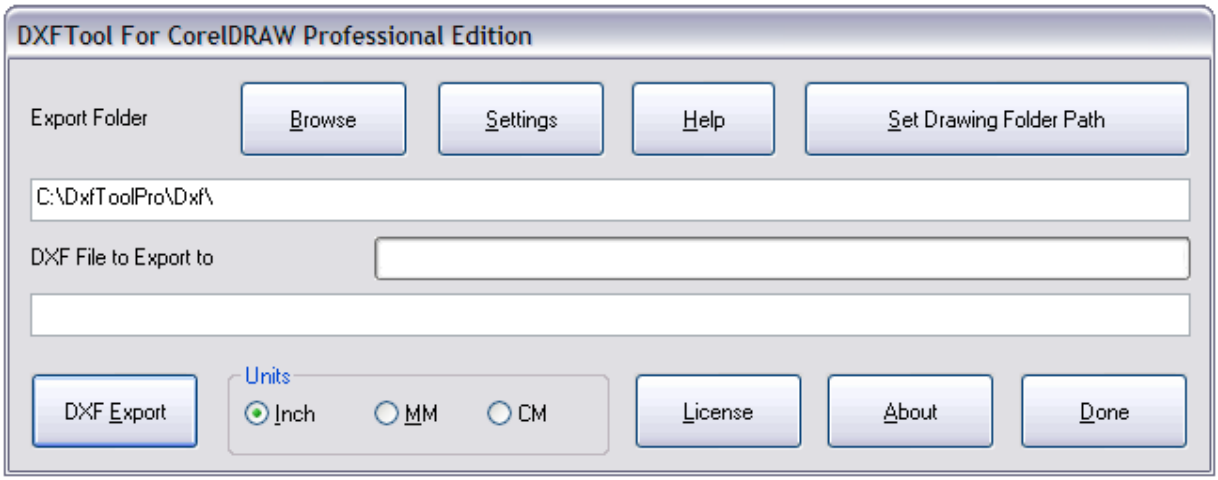



New features that were made possible by the rewrite are international languages and metric units (MM and CM) .support.

The DXFTool Professional Edition works on the bezier curves internally, there is NEVER any need to convert your drawing to curves, not even for text! This means that you can quickly make changes and export a new DXF file. You don't even have to save your drawing before exporting.

The main screen of the DXFTool Professional Edition shows the different options that are available. The 'Quick Start' section gives a simple workflow that will get you going ASAP.

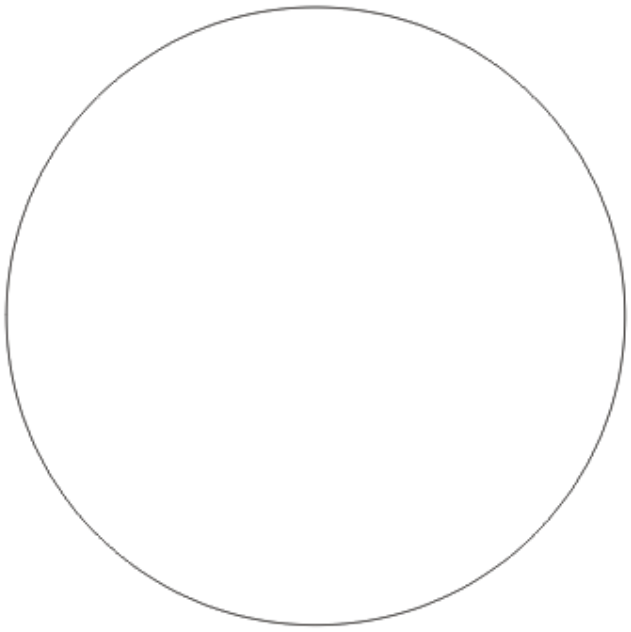
Note that the 'Settings' button will display a dialog that controls many new aspects of the DXFTool Professional Edition.



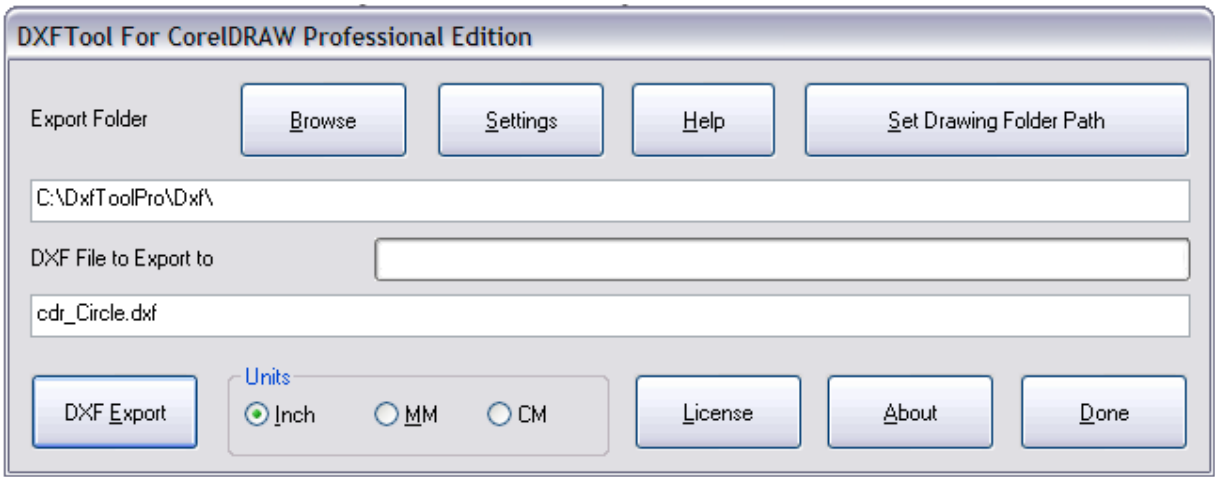

The DXFTool will export all your shapes (except bitmaps and OLE objects) easily without converting to curves. Both TEXT and SYMBOL objects are handled with ease and without modifying your original drawing.

# DXFTool For CorelDRAW Professional Edition

To get started, just push the toolbar button that was installed for your version of CorelDRAW. This will display the main menu screen for the DXFtool. Note that if you do not have the drawing that you want to export open then you must close the DXFTool main menu screen to open that drawing. The example we will use here is the simple circle.

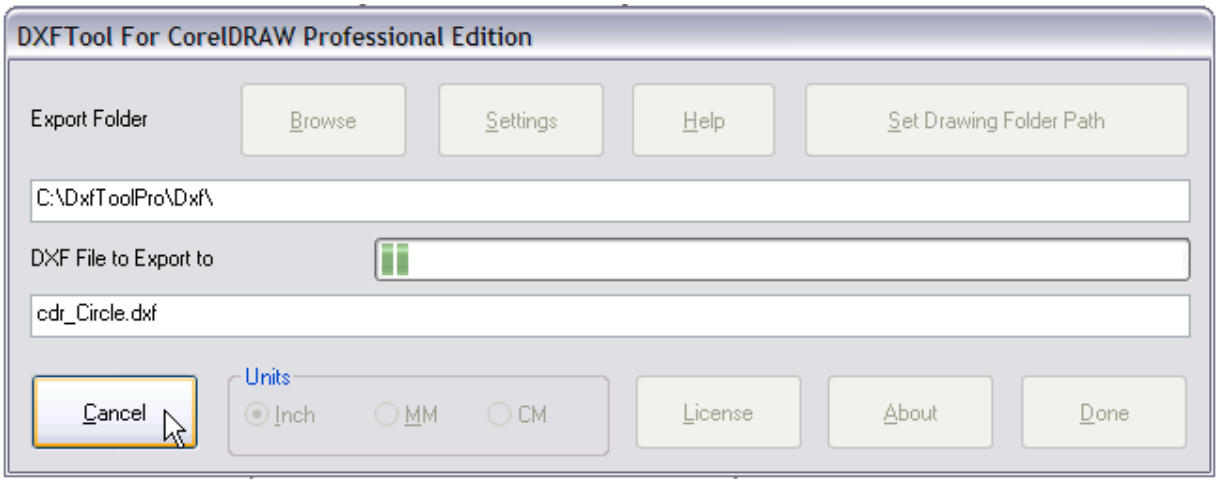


This is the DXFTool main menu screen that you will see when you have the 'Circle' example open. The circle itself is a 1.000 inch diameter circle drawn by the ellipse tool with the control key held down to constrain the operation to a true circle.

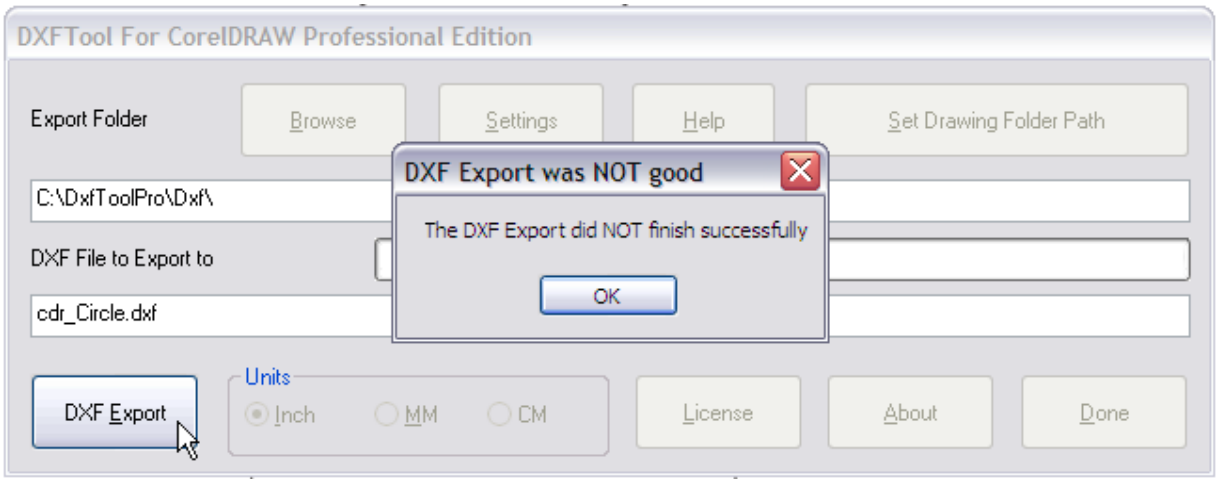



The dimensions of 1.000 diameter were entered on the property bar. Since this document is in inch units the 'Inch' radio button is automatically selected. If it was in millimeters or centimeters the 'MM' or 'CM' button would be selected. Note that you can change the export units just by selecting the units that you want that DXF file to be created with. If the default export folder is not where you want the DXF file to end up then use the 'Browse' button to select a new folder. This will also be saved as the default for future sessions. The name of the DXF file will be the same as the drawing with a file extension '.dxf'. You can change the name of the file just by typing in a new name. Ok, now that you have confirmed that both of these settings are correct press the 'DXF Export' button and your DXF file will be created! It is simply that easy.

While the DXF file is being created all of the buttons will be grayed out (disabled) so that they cannot be pushed except the 'DXF Export' button. This button will change to 'Cancel'. This can be used to stop very long exports when problems may exist in the drawing being exported. Here is what the main screen will look like during an export:




If you push the 'Cancel' button a warning message box will pop up to remind you that the DXF file was not successfully created since the export was cancelled.



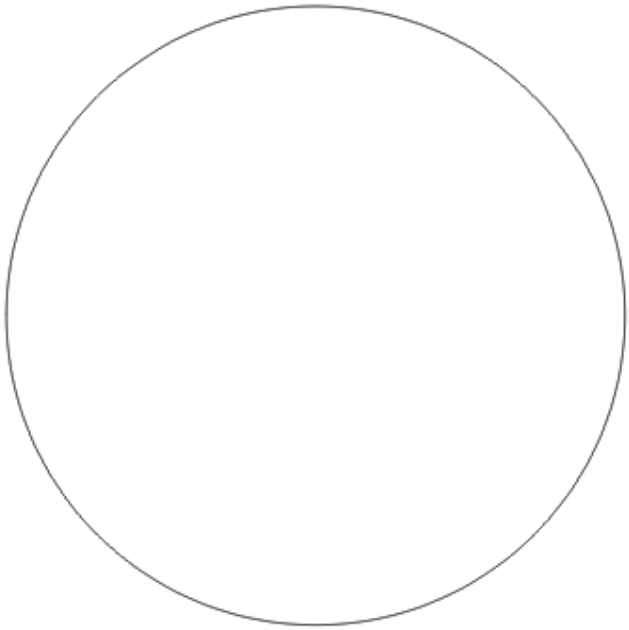
# DXFTool For CorelDRAW Professional Edition

There are several example drawings that are installed with the DXFTool.  They can all be found in the folder C:\DxfToolPro

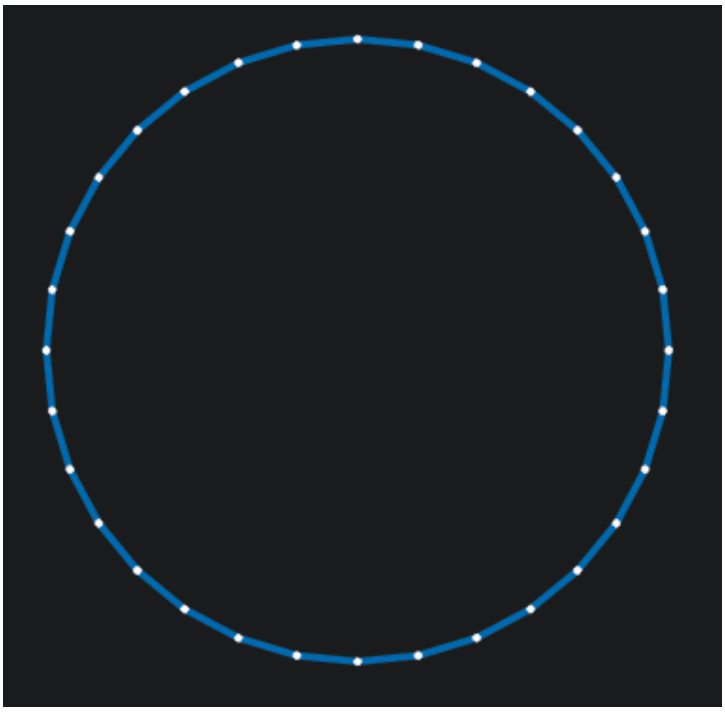
All of these screencaps were taken from CorelDRAW running a CorelDRAW based DXF visualizer.  This tool displays LINE segments in BLUE and ARC segments in RED.  The segments are separated by small WHITE dots so you can see what the DXF file really contains.

'Circle.cdr' is the simple circle used in the Introduction and Quick Start.

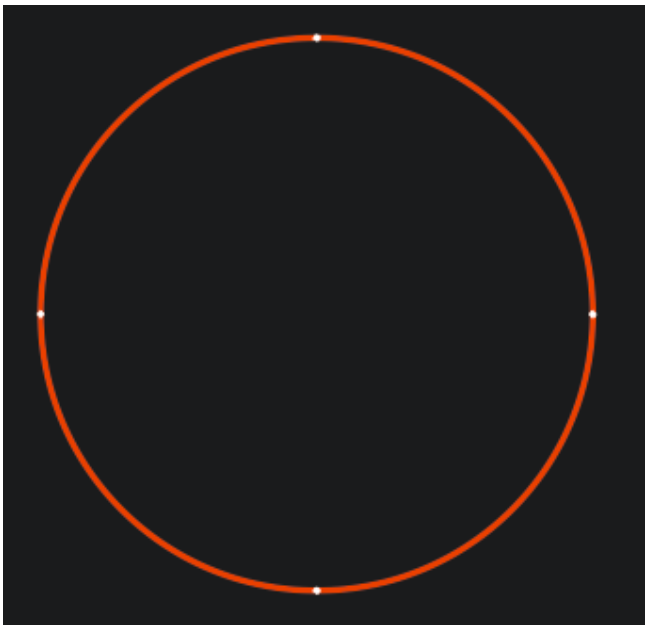
Here is the original image:



Here is the image made by the DXF file that was exported using CorelDRAW X4 and the R11 DXF filter.



Here is the image made by the DXF file that was exported using the DXFTool Professional Edition.

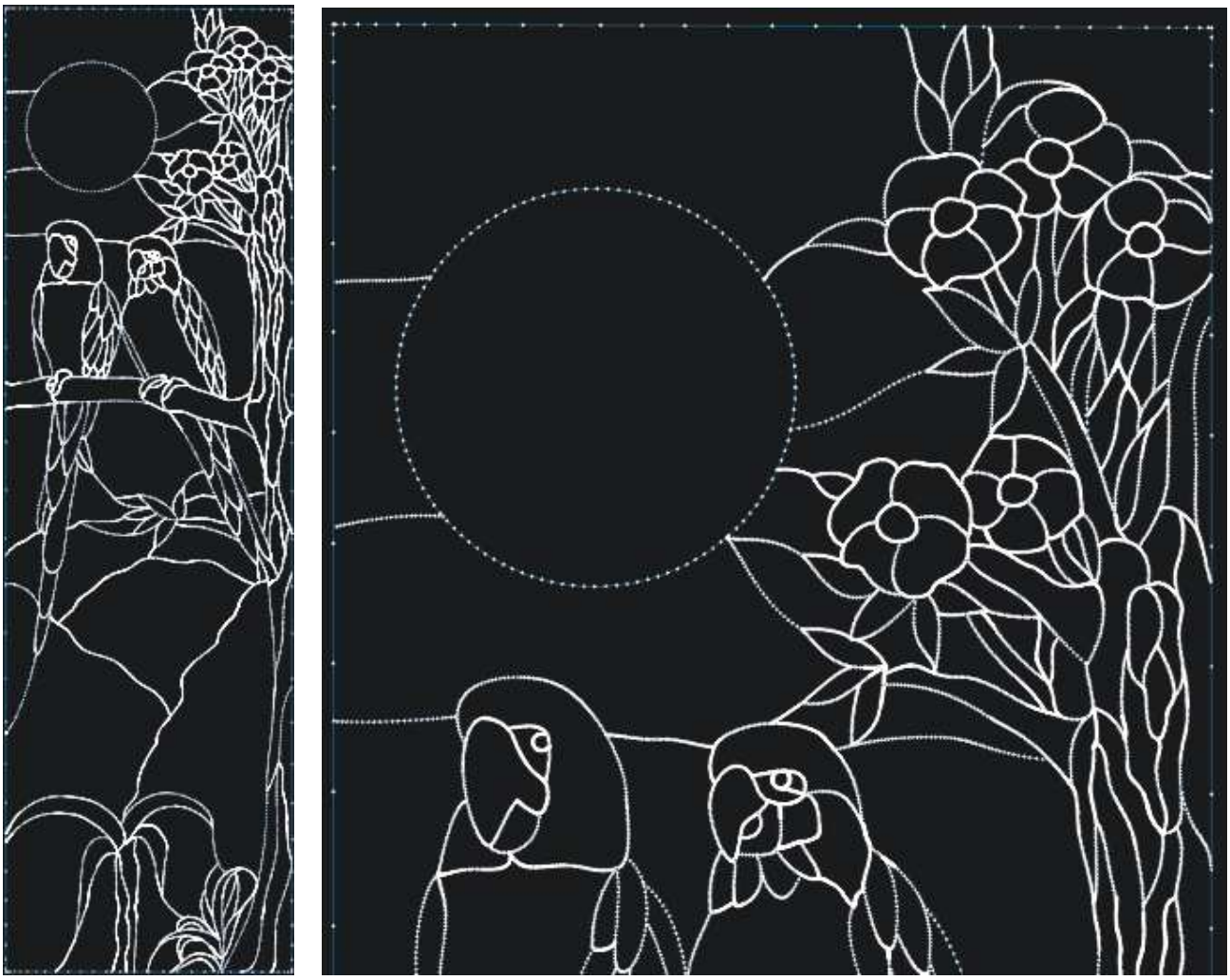


Note that the CorelDRAW DXF file is 9858 bytes and the DxfTool Professional Edition DXF file is 851 bytes

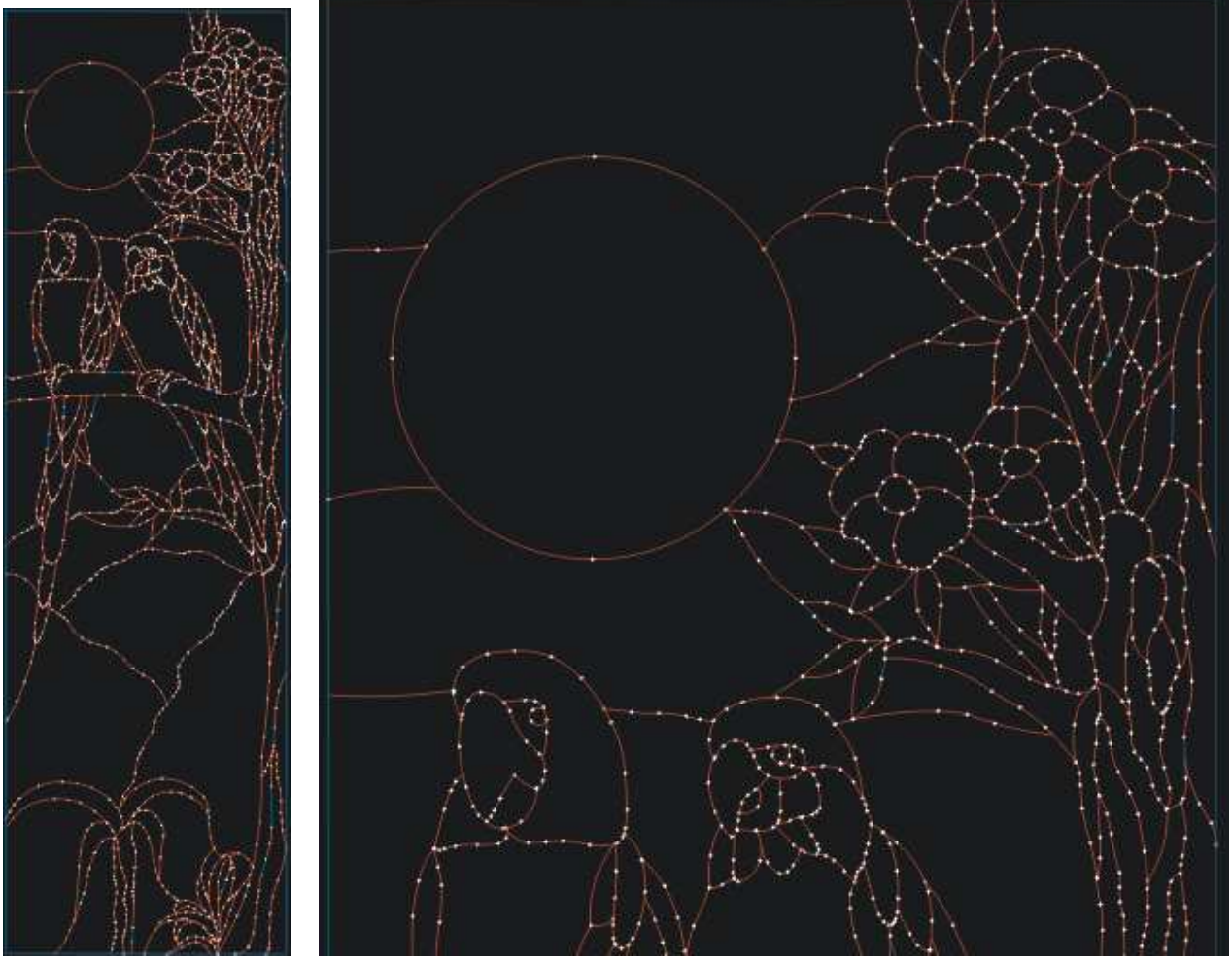
---

'Birds.cdr' is a drawing that was traced from bitmap artwork.  This is a service that we offer.  Here is the original image:

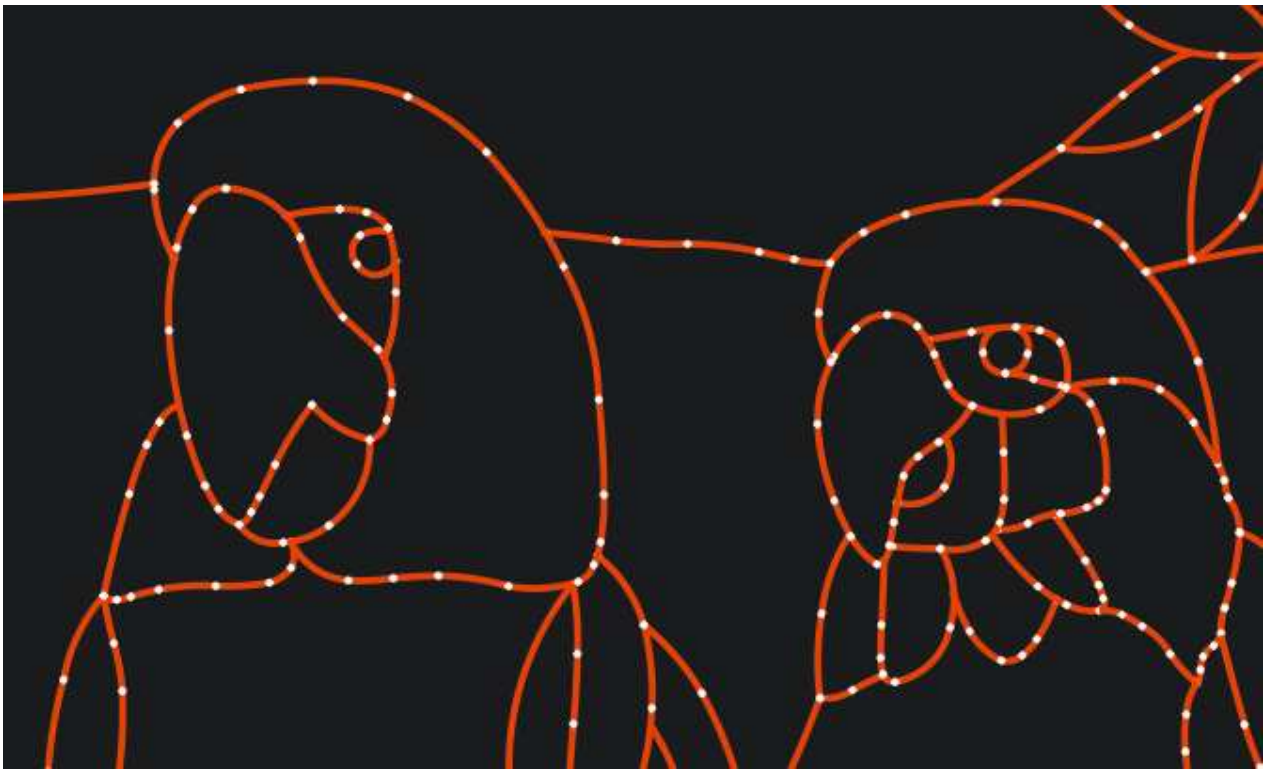
Here is the image made by the DXF file that was exported using CorelDRAW X4 and the R11 DXF filter.



Here is the image made by the DXF file that was exported using the DXFTool Professional Edition.



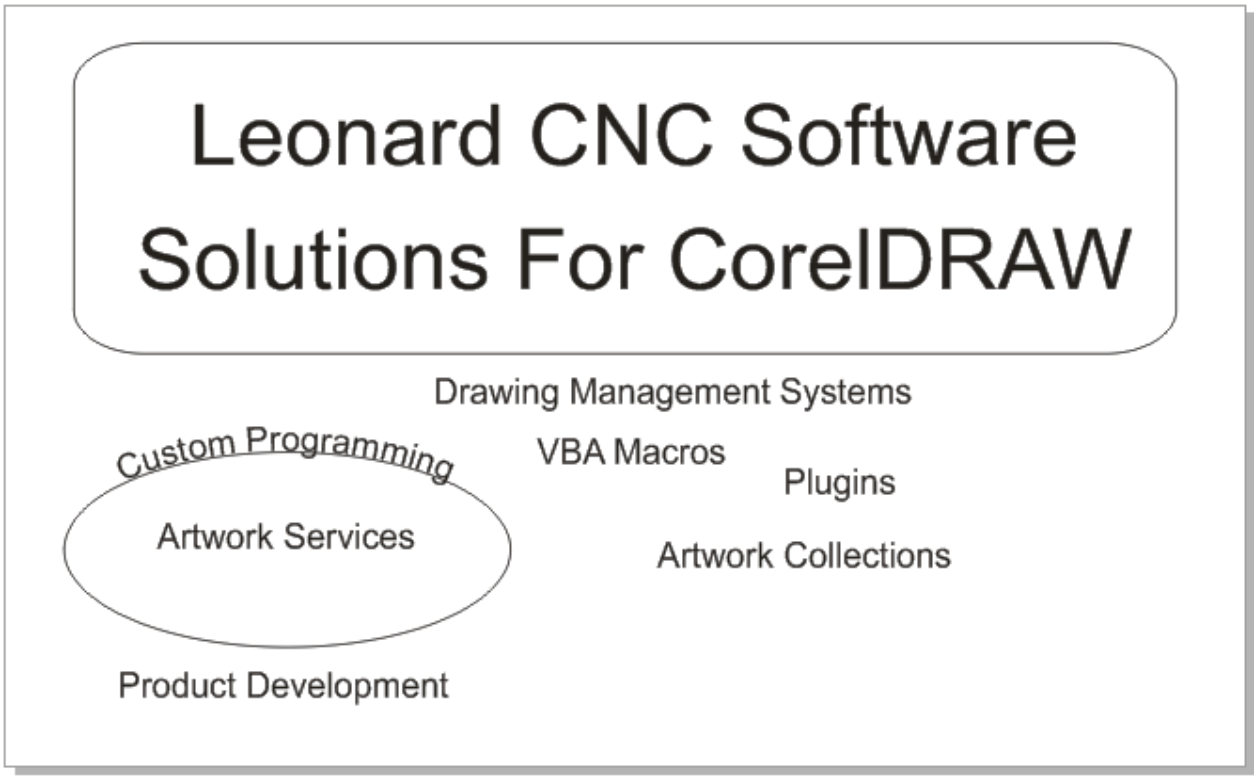
Here is a close up detail of the birds showing the beautiful flowing arcs and very small segment count.



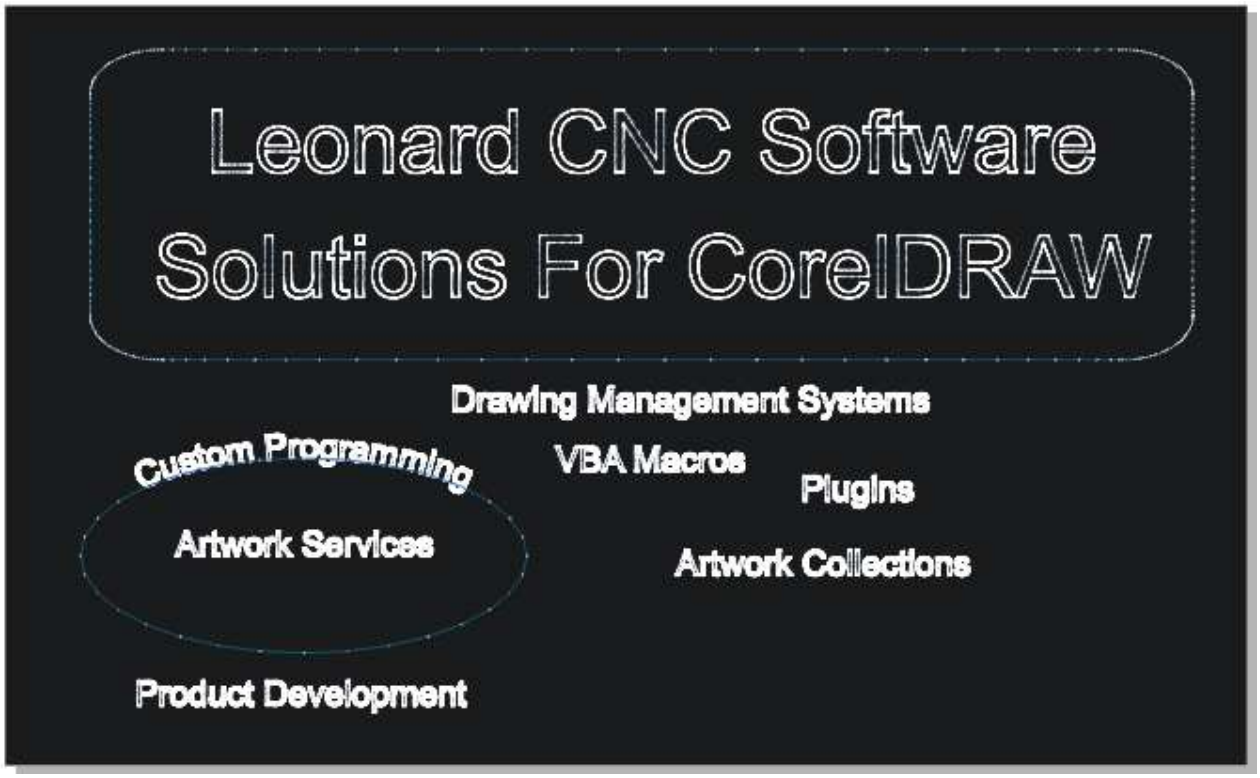
Note that the CorelDRAW DXF file is 2,338,599 bytes and the DxfTool Professional Edition DXF file is 152,595 bytes

---

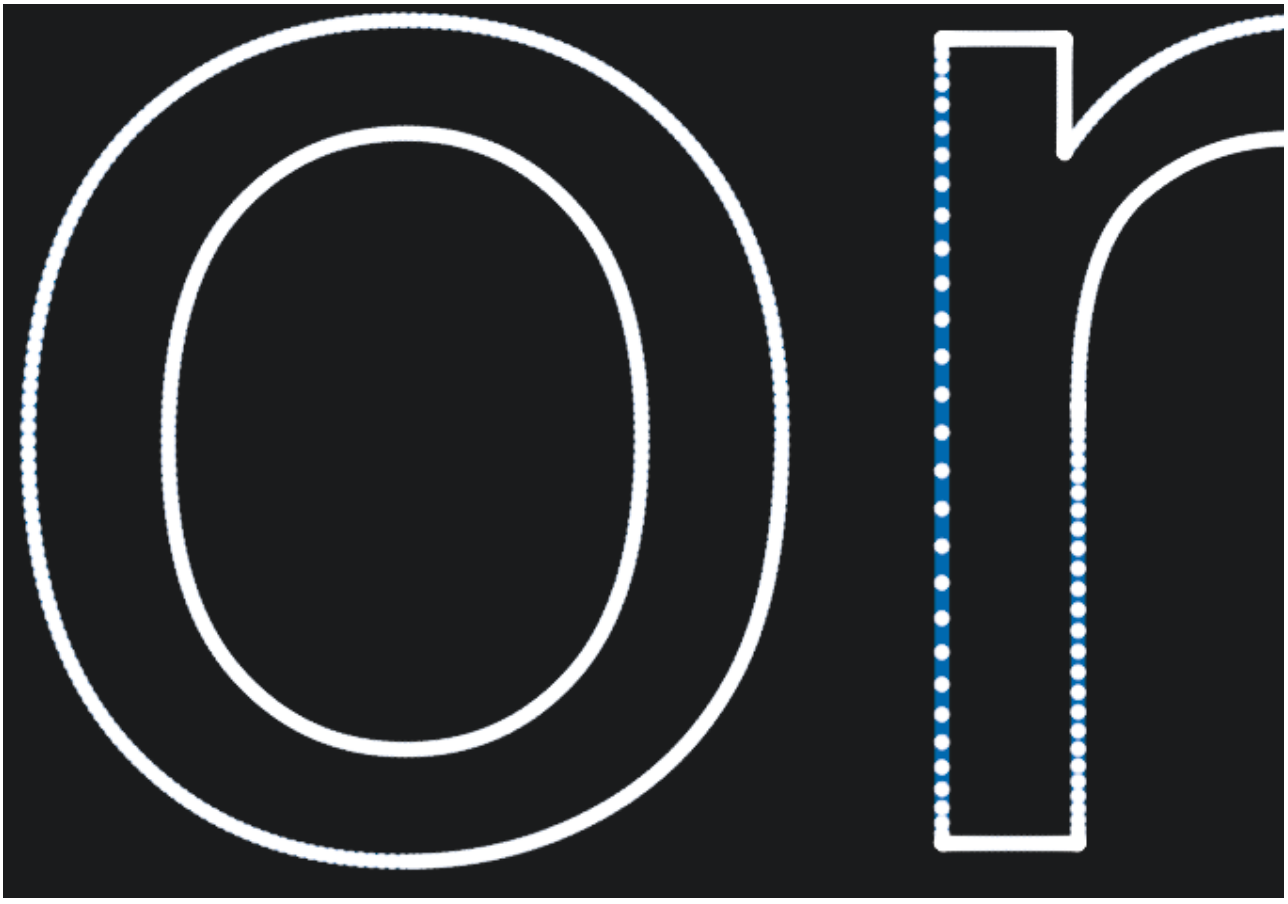
'LCS-Sign01.cdr' is a drawing that shows the text handling capabilities of the DXFTool Professional Edition. Here is the original image:



Here is the image made by the DXF file that was exported using CorelDRAW X4 and the R11 DXF filter.




Here we are emphasizing the text and we also had to zoom in to 1800% to be able to see the EXTREMELY small lines that CorelDRAW makes for it's DXF files. The bumps are actually the dots we use to show the segment boundaries in our DXF visualizer. Here the segments are SO SMALL they blend together on the curves.



Here is the image made by the DXF file that was exported using the DXFTool Professional Edition.

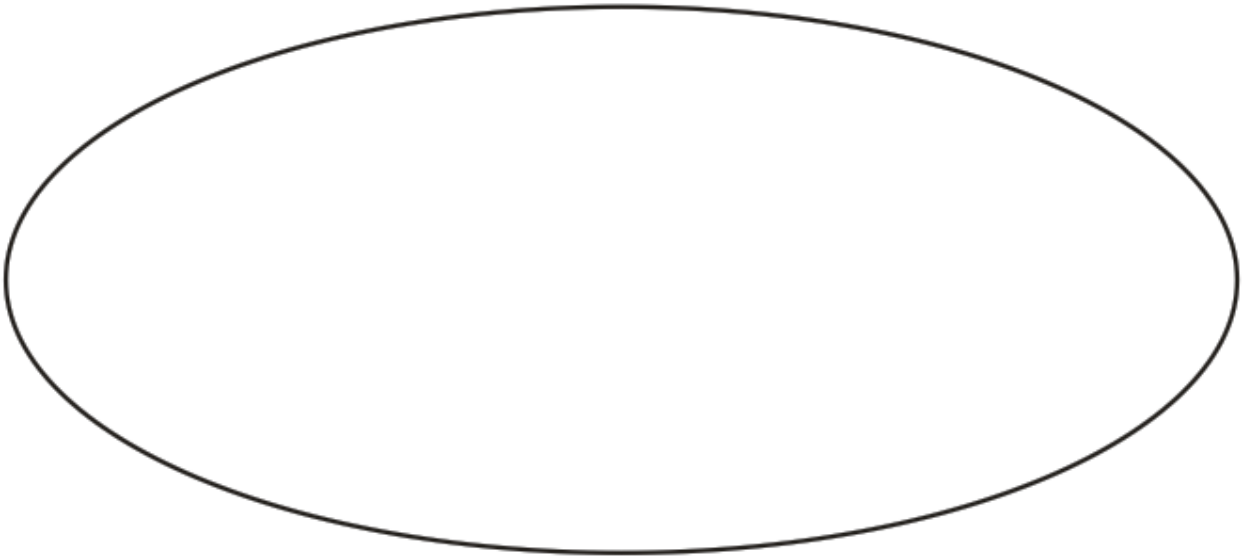

This is the same closeup as the CorelDRAW DXF, but it shows the small number of segments and the smooth arcs made by the DXFTool Professional Edition.

Now the letters 'D' and 'R' - very beautiful!

Note that the CorelDRAW DXF file is 10,114,748 bytes and the DxfTool Professional Edition DXF file is 241,474 bytes

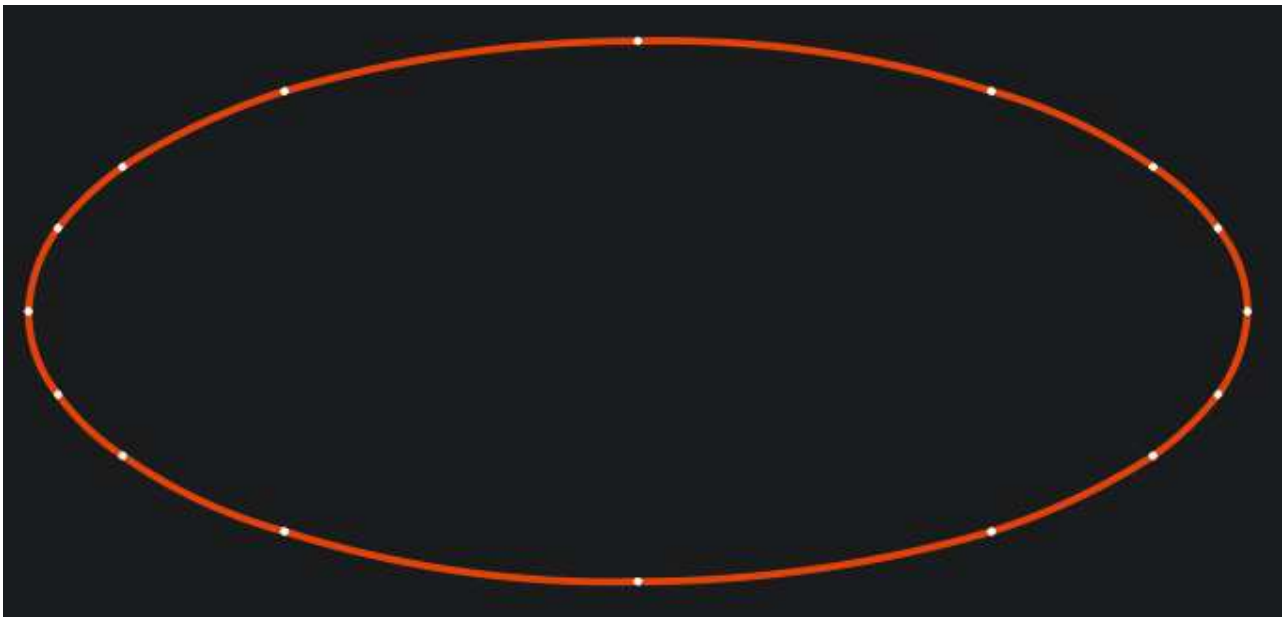
---

'Ellipse' is a simple ellipse, but this is one of the most difficult shapes to cut on a CNC system. Here is the original image:



Here is the image made by the DXF file that was exported using CorelDRAW X4 and the R11 DXF filter.

Here is the image made by the DXF file that was exported using the DXFTool Professional Edition.



Note that the CorelDRAW DXF file is 9,824 bytes and the DxfTool Professional Edition DXF file is 1,519 bytes

# DXFTool For CorelDRAW Professional Edition

There are MANY programs that will benefit from the 'Polyarc' export type. These are usually CAM systems that will complain that a DXF file "is not linked" or that the "endpoints do not match". What this really means is that they require a Polyline or a Polyline with ARC bulges to specify end-to-end chains and closed shapes in the DXF file. Other software like SheetCAM or FlashCUT have a 'link tolerance' value that they apply to DXF imports to decide if a LINE or ARC is part of an end-to-end chain or closed shape.

**Known compatible programs and application types**

PCB software - Polylines are typically used

SheetCAM - both Classic and TNG - LINE / ARC is OK, Polyarc is better

FlashCUT 3.0 - LINE / ARC is OK, Polyarc is better

PlasmaCAM - Polyarc is needed - you must manually link LINE / ARC exports - BIG benefit

iBend - Polyarc is needed - BIG benefit

Accu-Bend - LINE / ARC is required by their software

Die Cutters - Polyarc is needed - BIG benefit

Wire EDM - LINE / ARC is OK, Polyarc is better

AutoCAD - LINE / ARC is OK, Polyarc is better - BIG benefit

AutoSketch - LINE / ARC is OK, Polyarc is better

Laser cutters - LINE / ARC is OK, Polyarc is better

Vinyl cutters - LINE / ARC is OK, Polyarc is better

SolidWorks - LINE / ARC is OK, Polyarc is better - BIG benefit

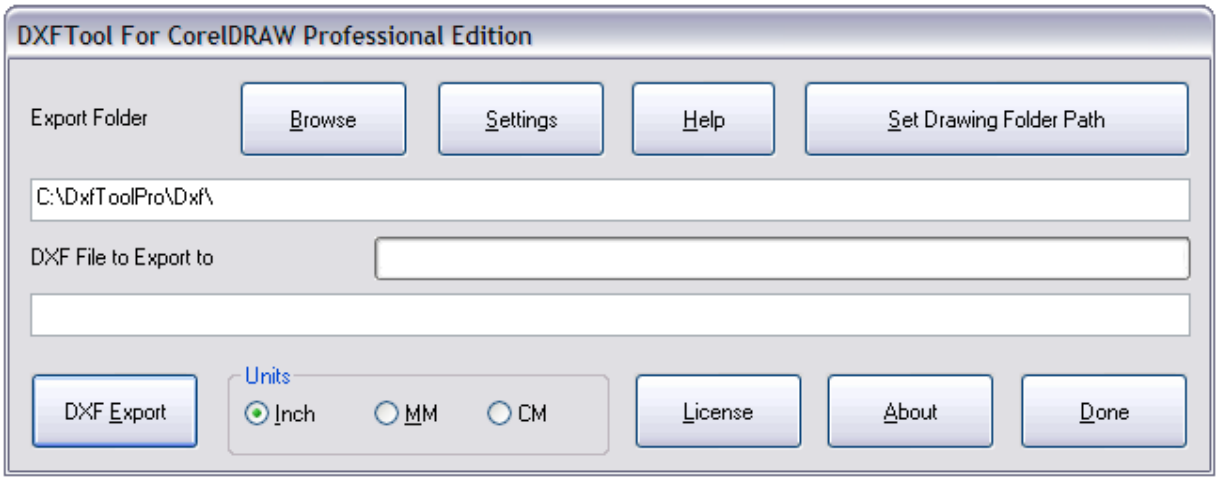
Grammil Creative Studio - LINE / ARC is OK, Polyarc is better

PrimCAM from Primus Data - Polyarc is needed - BIG benefit

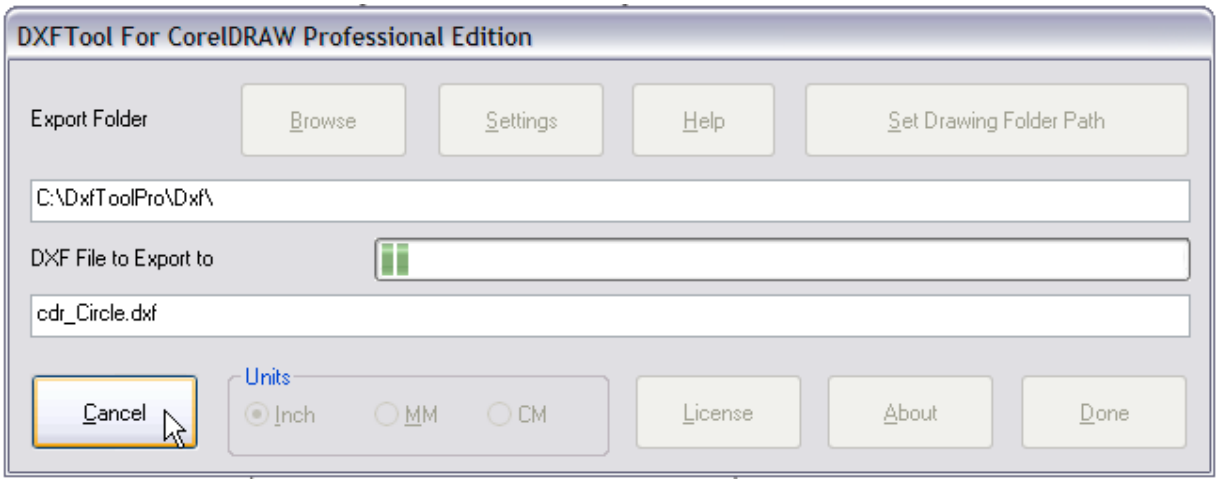
Vectric Cut2D and VCarve Pro - Polyarc is needed - you must manually link LINE / ARC exports - BIG benefit

# DXFTool For CorelDRAW Professional Edition

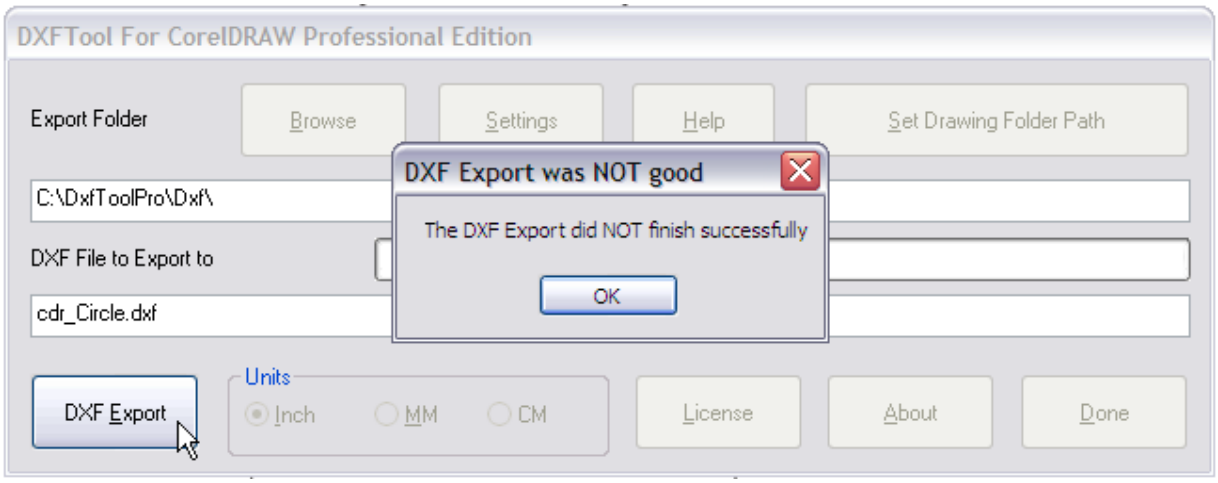
The user interface has a number of shortcut keys that are shown on the buttons with an underline character under them. To use the shortcuts hold down the ALT key then press the letter that is underlined. The result will be the same as if you had pushed the button with the mouse pointer. In addition, the 'DXF Export' button is now the default button, so you can just press the ENTER key to do the export operation.



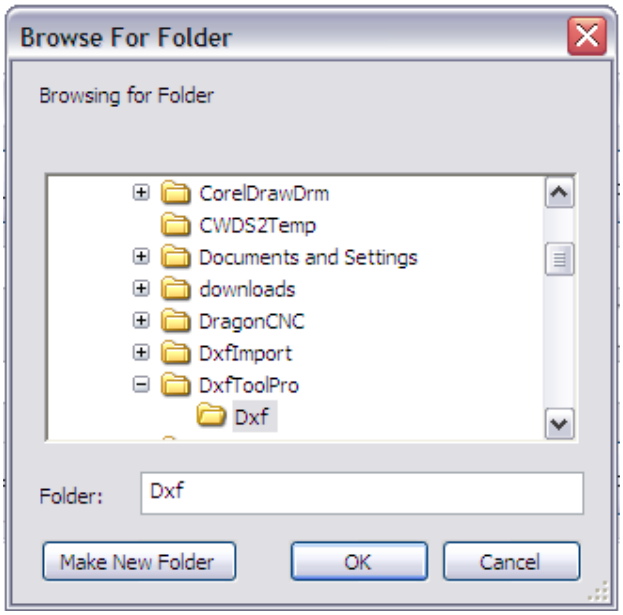

The 'DXF Export' button will change to 'Cancel' while the export is running, allowing you to stop a long running export operation that is caused by a bad drawing.



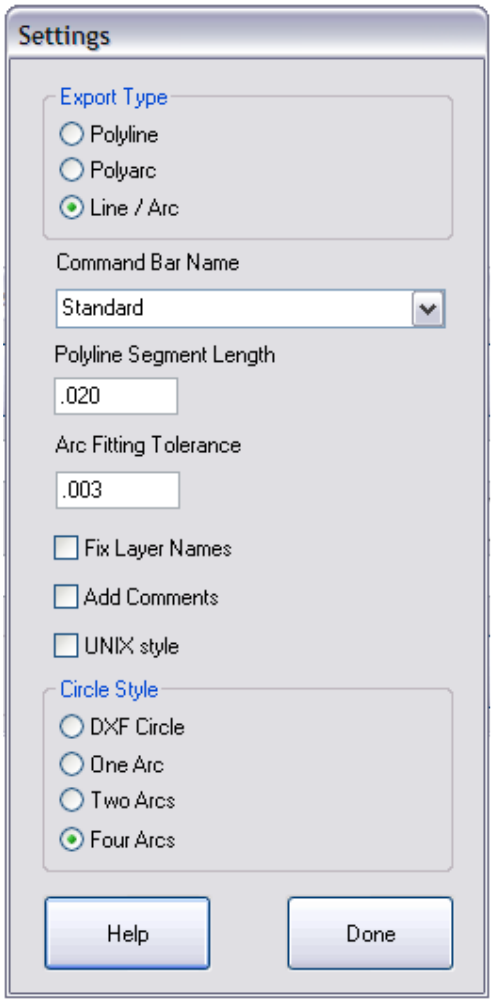
The 'DXF File to Export to' will now have the filetype 'dxf' added to the filename if it was accidentally deleted while typing a new name for the DXF file.  If the 'Cancel' button is pressed during an export the export will stop and an error message box will appear informing you that the export was NOT completed correctly.



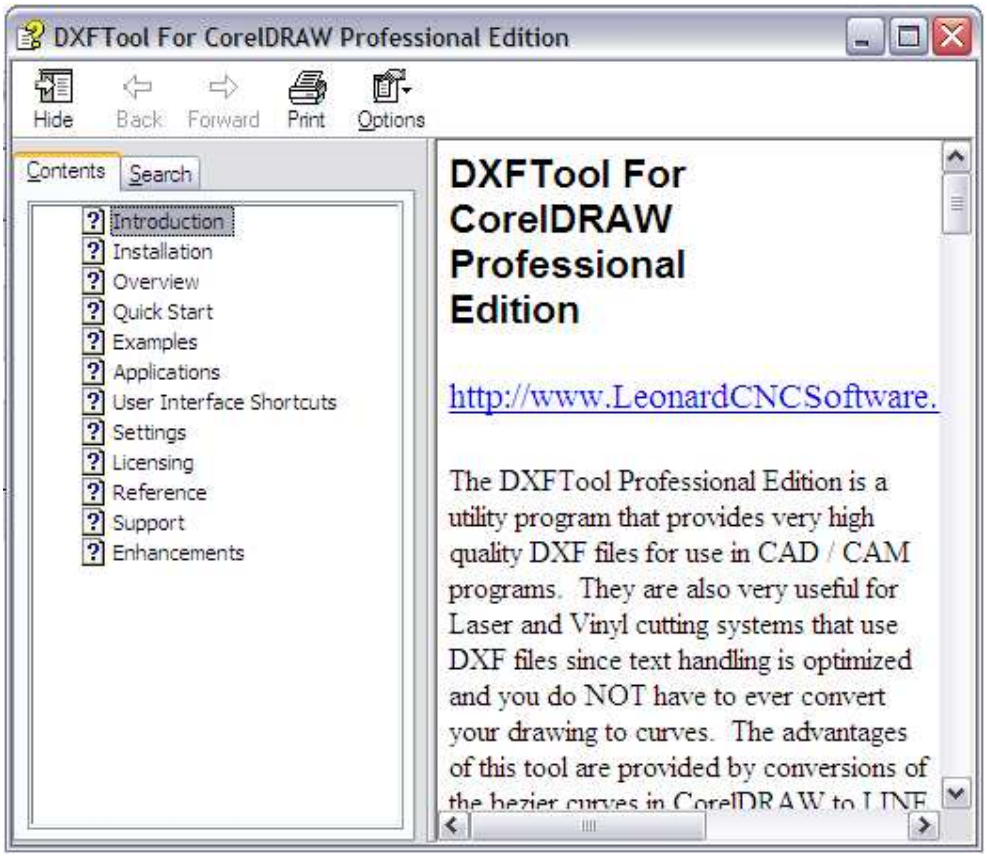

The 'Browse' button will allow the selection of the export folder by browsing for it with this dialog.



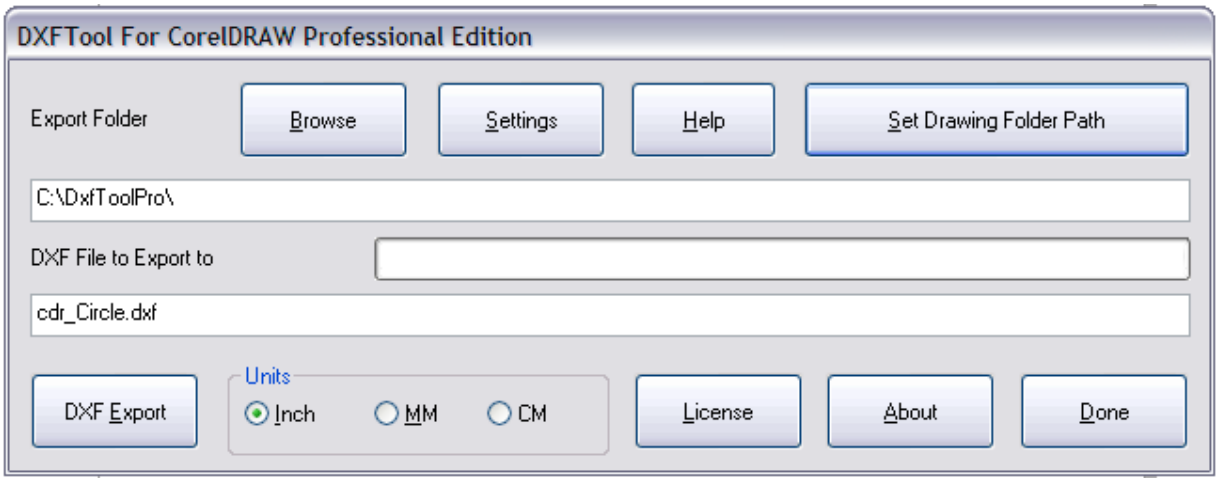
The 'Settings' button will display this dialog which controls all the new options that been added to the DXFTool Professional Edition.  See the Settings section for a detailed explanation of each option and parameter.



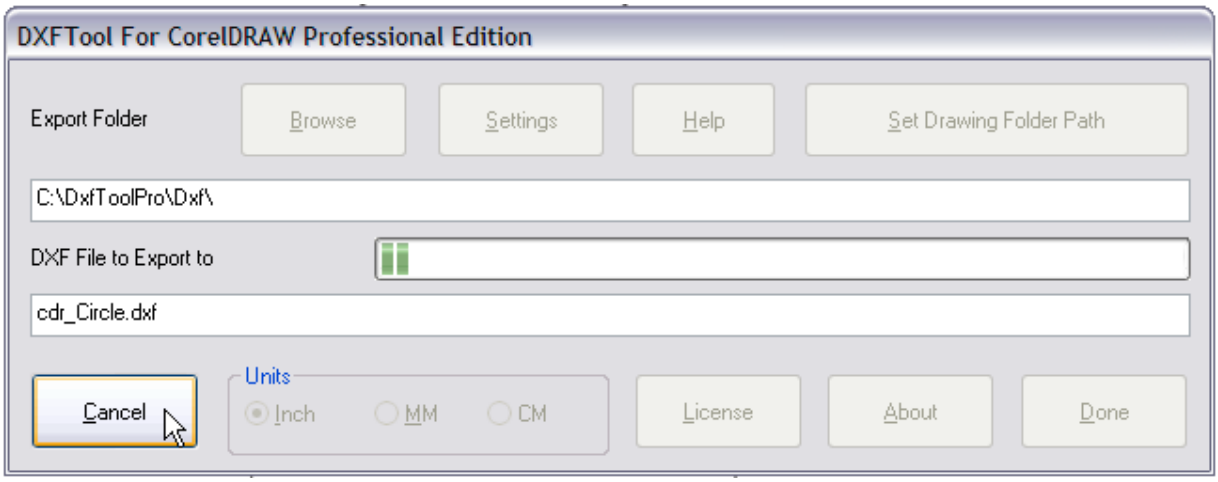
The 'Help button displays the online help system for the DXFTool Professional Edition.  It is the same as the PDF manual.




The 'Set Drawing Folder Path' button sets the 'Export Folder' to be the same folder that the drawing is in currently.



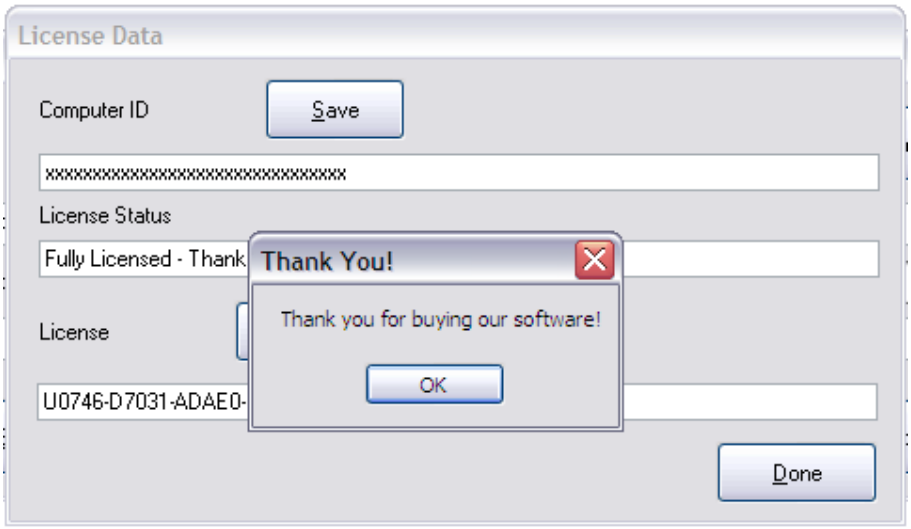
The 'DXF Export' button performs the DXF export.



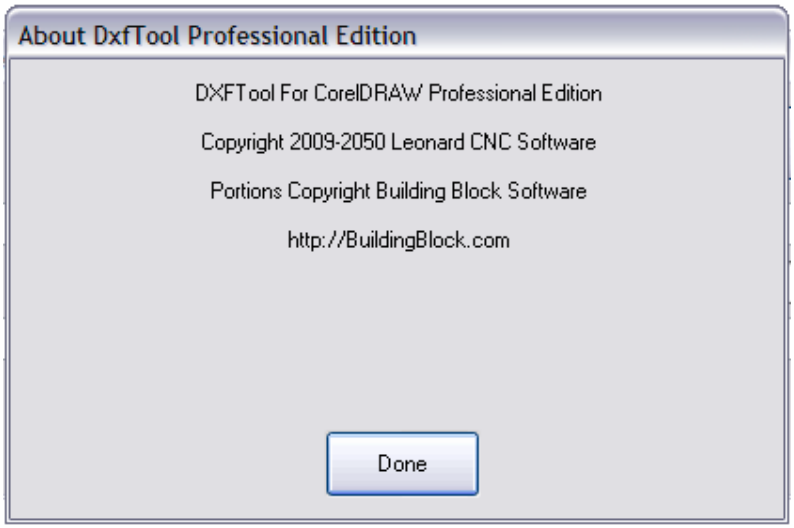

The 'Units' radio buttons select Inch (Imperial), MM (Millimeter metric) or CM (Centimeter metric) as the drawing units to be used in the the DXF file.


The 'License' button displays the license dialog. This is where you can get the Computer ID and load the license key that I will send to you. If you press the 'Save' button a file 'DxfToolProID.uid' will be created on the Windows Desktop screen. This is the main Windows screen that you see before you run any programs. It is displayed when you start your computer. When I send you the license you will receive a key in the body of the email and also a file DxfToolPro.lic. You can either cut-and-paste the key into the 'License' field on the license screen OR you can copy the DxfToolPro.lic file to the Windows Desktop and then press the 'Load' button on the license screen. Your license key will appear in the 'License' field after you press load. In both cases you have to press the 'Verify' button to complete the licensing process.

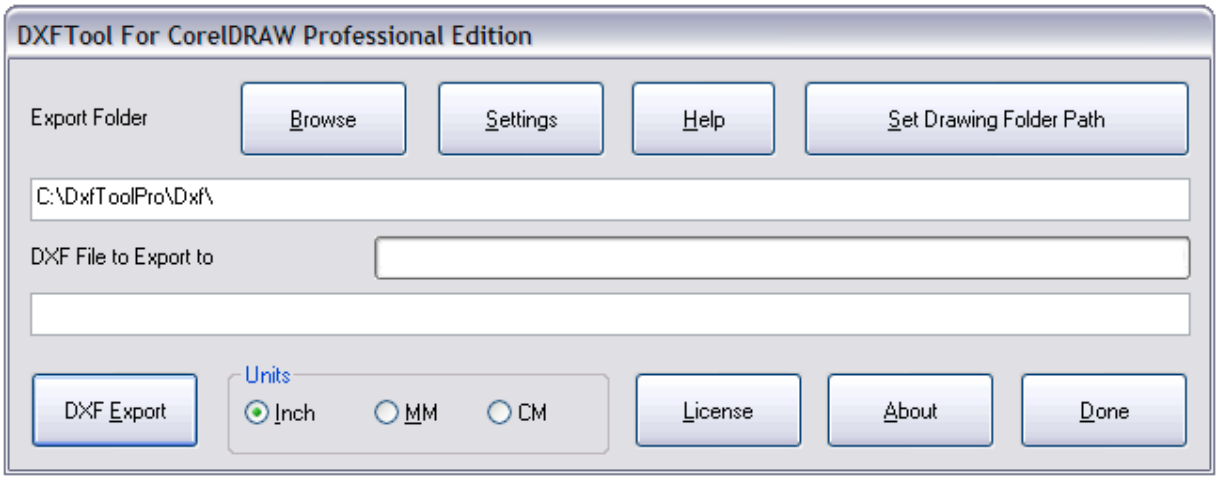
After pressing the 'Verify' button the 'Thank you' message box should appear. If you see any other message I may have made a mistake when I generated the license or the cut-and-paste was incomplete. Please email me if this step is a problem.




The 'About' button will display a dialog that gives information about the DXFTool Professional Edition.




The 'Done' button closes the DXFTool Professional Edition dialog.



# DXFTool For CorelDRAW Professional Edition

The settings dialog has the following features that can be used to control the operation of the DXFTool Professional Edition:

**Export Type**

This is the type of export that will be used in the DXF file.

'Polyline' is a LINE segments only DXF export that consists of an end-to-end chain of LINE entities that are at MOST the 'Polyline Segment Length' long. Some lines will be smaller according to the division of a CorelDRAW segment or a natural line length.

'Polyarc' is a LINE and ARC segment export that consists of an end-to-end chain of LINE and ARC entities. This is probably the most useful export in the Professional Edition.

'Line / Arc' is a LINE and ARC segment export that consists of of individual LINE and ARC DXF entities. It is basically the same as the export that the DXFTool Standard Edition provides.

**Command Bar Name**

This is the name of the CorelDRAW command bar that you want the DXFTool Professional Edition icon to appear on. Note that the icon will NOT move to this new command bar until you close CorelDRAW and open it again.

**Polyline Segment Length**

This is the MAXIMUM length that the lines in a Polyline export will be. Some lines will be smaller according to the division of a CorelDRAW segment or a natural line length.

**Arc Fitting Tolerance**

This is the value that controls how closely the generated ARC entities will match the original drawings. Note that LINE entites will precisely match line segments from the original drawing. The default is .003 which is usally a good compromise. Making this value SMALLER will give less ARCs but they will match the original drawing not so well. Making this value LARGER will give more ARCs and they will match the original drawing better.

**Fix Layer Names**

Checking this option will cause the DXFTool Professional Edition to change layer names to comply with AutoCAD R14 naming conventions. Later versions of AutoCAD and other software will not load a layer correctly if it has blanks or other unwanted characters in the layer name.

**Add Comments**

Checking this option will add a comment to every shape export which includes the shape name (if any) and the XY position of the shape.

**UNIX Style**

Checking this option will cause the DXFTool Professional Edition to format the DXF file as a UNIX style file using only linefeed characters to separate each line of text.

**Circle Style**

This is the type of circle that will be used by the circle optimizer.

'DXF Circle'

This option outputs circles as a DXF circle entity.

'One Arc'

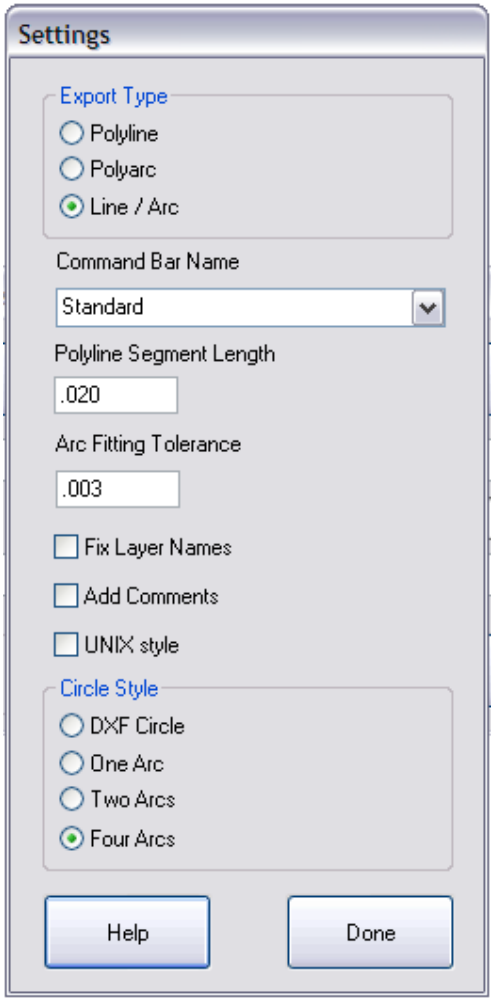
This option outputs circles as a single 360 degree ARC.

'Two Arcs'

This option outputs circles as as two 180 degree ARCs.

'Four Arcs'

This option outputs circles as four 90 degree ARCs.



# DXFTool For CorelDRAW Professional Edition

Licensing the DXFTool Professional Edition after the end of the evaluation period (or before!) is easy. Press the 'License' button on the main screen and you will see the license screen. The Computer ID is at the top. This string of characters uniquely identifies the computer you want to license for the DXFTool. Press the 'Save' button and a file 'DxfToolProID.uid' will be created on your computers desktop screen. Just email this file to us at 'license@leonardcncsoftware.com' and then pay us with PayPal at the same email address.

We will return another file to you which is 'DxfToolPro.lic'. Copy this file to your computer's desktop screen, then press the 'Load' button on the DXFTool license screen.


The license key will appear. Now press the 'Verify' button and our 'Thank you' message will appear. You are now licensed for unlimited exports!

# DXFTool For CorelDRAW Professional Edition

The drawing does not have to be saved, but this is advisable.

Only the visible layers will be exported.  If any shapes are selected on a drawing, only those shapes will be exported.

The X3 and X4 versions do NOT require VBA to be installed.  The V12 version does require VBA.

The options that are used on startup are in the 'DxfToolPro.ini' file which is in the  DxfToolPro subfolder of the 'Draw' folder.  On a normal installation of X4 this is:

C:\Program Files\Corel\CorelDRAW Graphics Suite X4\Draw\DxfToolPro

The 'DxfToolPro.ini' file contains these items for a US English installation:

[Options]
DefaultDxfFolder=C:\DxfToolPro\DXF
LangDll=ProUSEnglish.dll
Units=INCH
ToolBarName=Standard
InstallDisk=C:

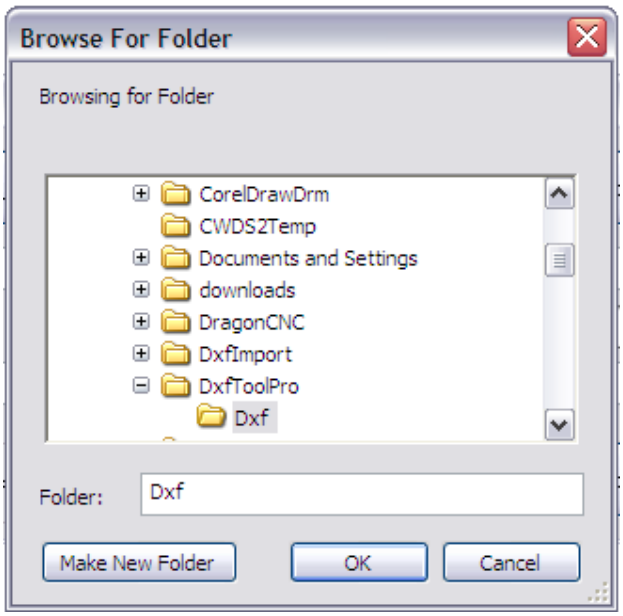
[Debug]
LogFile=N

The only options that would ever be changed manually are 'LogFile=N'.

'LogFile=N' would be changed to 'LogFile=Y' and you would install a special DLL we would provide to you in the event that problems needed to be diagnosed and they could not be reproduced here.

**The buttons on the main screen are used for:**

The 'Browse' button will allow the selection of the export folder by browsing for it with this dialog.



The 'Settings' button will display this dialog which controls all the new options that been added to the DXFTool Professional Edition.

The settings dialog has the following features that can be used to control the operation of the DXFTool Professional Edition:

**Export Type**

This is the type of export that will be used in the DXF file.

'Polyline' is a LINE segments only DXF export that consists of an end-to-end chain of LINE entities that are at MOST the 'Polyline Segment Length' long. Some lines will be smaller according to the division of a CorelDRAW segment or a natural line length.

'Polyarc' is a LINE and ARC segment export that consists of an end-to-end chain of LINE and ARC entities. This is probably the most useful export in the Professional Edition.

'Line / Arc' is a LINE and ARC segment export that consists of of individual LINE and ARC DXF entities. It is basically the same as the export that the DXFTool Standard Edition provides.

**Command Bar Name**

This is the name of the CorelDRAW command bar that you want the DXFTool Professional Edition icon to appear on. Note that the icon will NOT move to this new command bar until you close CorelDRAW and open it again.

**Polyline Segment Length**

This is the MAXIMUM length that the lines in a Polyline export will be. Some lines will be smaller according to the division of a CorelDRAW segment or a natural line length.

**Arc Fitting Tolerance**

This is the value that controls how closely the generated ARC entities will match the original drawings. Note that LINE entites will precisely match line segments from the original drawing. The default is .003 which is usally a good compromise. Making this value SMALLER will give less ARCs but they will match the original drawing not so well. Making this value LARGER will give more ARCs and they will match the original drawing better.

**Fix Layer Names**

Checking this option will cause the DXFTool Professional Edition to change layer names to comply with AutoCAD R14 naming conventions. Later versions of AutoCAD and other software will not load a layer correctly if it has blanks or other unwanted characters in the layer name.

**Add Comments**

Checking this option will add a comment to every shape export which includes the shape name (if any) and the XY position of the shape.

**UNIX Style**

Checking this option will cause the DXFTool Professional Edition to format the DXF file as a UNIX style file using only linefeed characters to separate each line of text.

**Circle Style**

This is the type of circle that will be used by the circle optimizer.

'DXF Circle'

This option outputs circles as a DXF circle entity.

'One Arc'

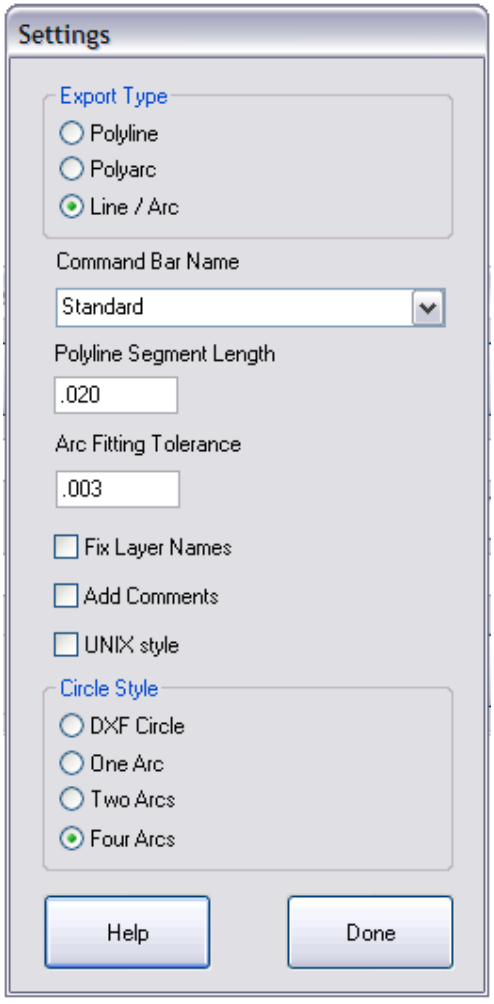
This option outputs circles as a single 360 degree ARC.

'Two Arcs'

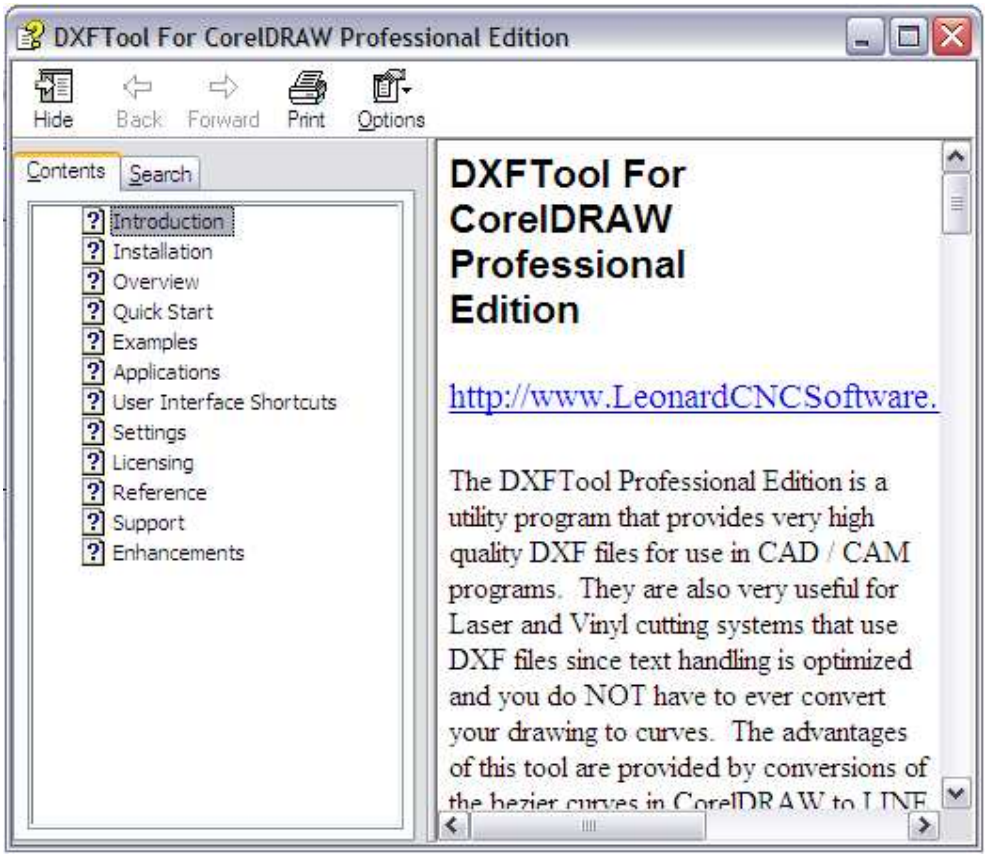
This option outputs circles as as two 180 degree ARCs.

'Four Arcs'

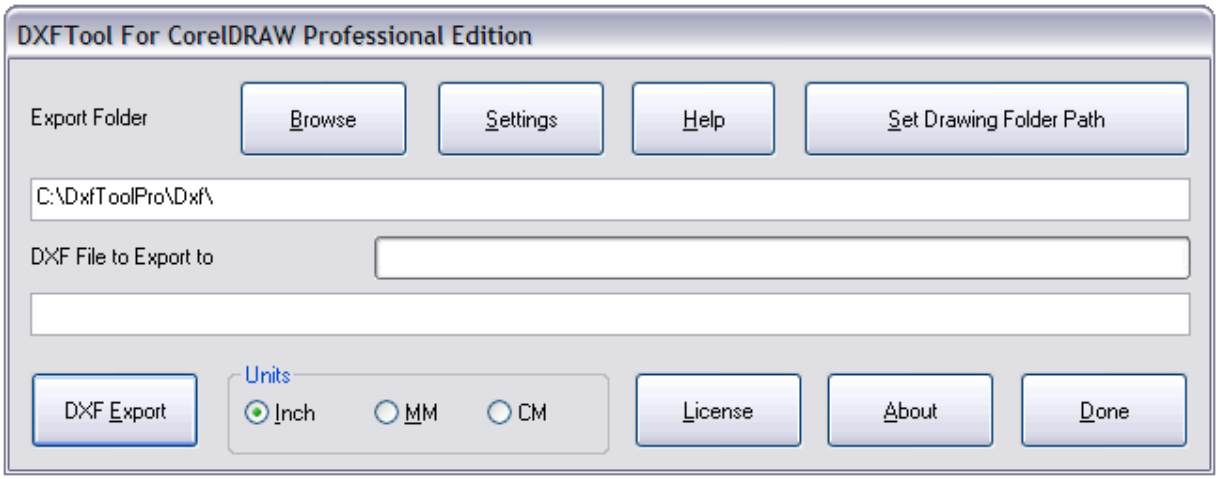
This option outputs circles as four 90 degree ARCs.



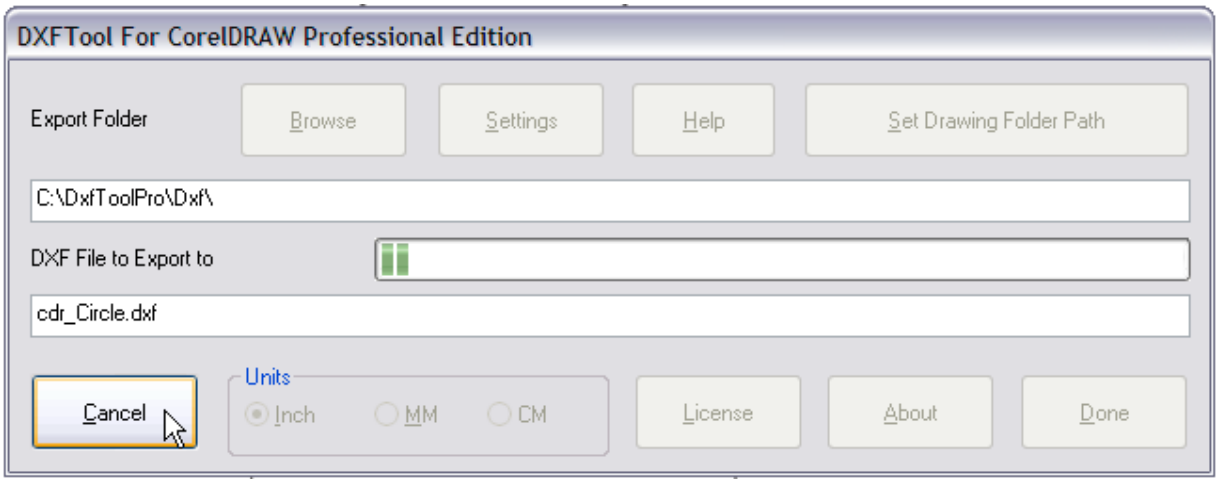
The 'Help button displays the online help system for the DXFTool Professional Edition.  It is the same as the PDF manual.



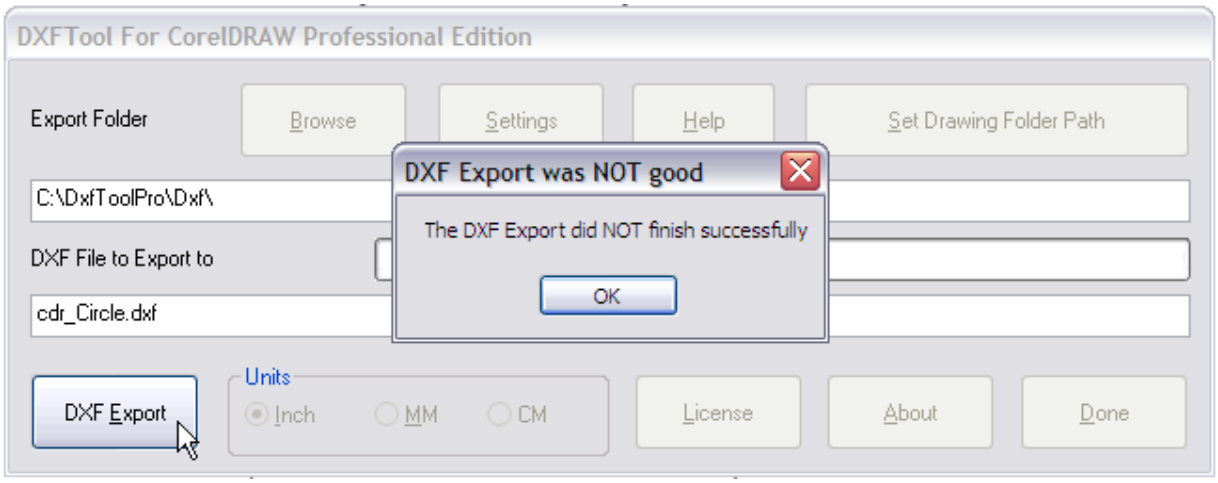

The 'Set Drawing Folder Path' button sets the 'Export Folder' to be the same folder that the drawing is in currently.



The 'DXF Export' button performs the DXF export. While the DXF file is being created all of the buttons will be grayed out (disabled) so that they cannot be pushed except the 'DXF Export' button. This button will change to 'Cancel'. This can be used to stop very long exports when problems may exist in the drawing being exported. Here is what the main screen will look like during an export:



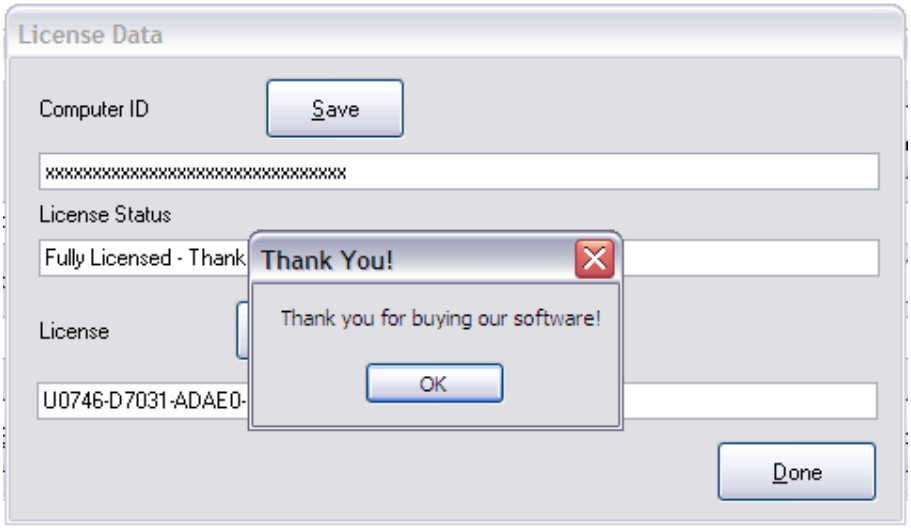

If you push the 'Cancel' button a warning message box will pop up to remind you that the DXF file was not successfully created since the export was cancelled.



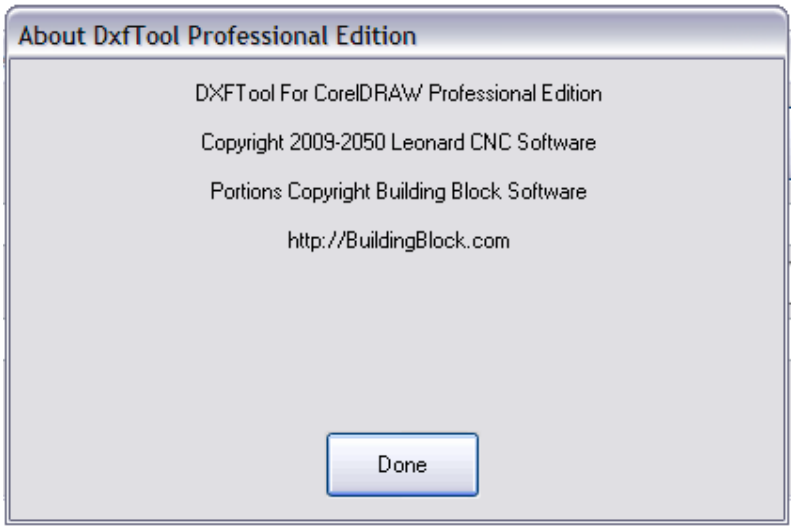

The 'Units' radio buttons select Inch (Imperial), MM (Millimeter metric) or CM (Centimeter metric) as the drawing units to be used in the the DXF file.

The 'License' button displays the license dialog. This is where you can get the Computer ID and load the license key that I will send to you. If you press the 'Save' button a file 'DxfToolProID.uid' will be created on the Windows Desktop screen. This is the main Windows screen that you see before you run any programs. It is displayed when you start your computer. When I send you the license you will receive a key in the body of the email and also a file DxfToolPro.lic. You can either cut-and-paste the key into the 'License' field on the license screen OR you can copy the DxfToolPro.lic file to the Windows Desktop and then press the 'Load' button on the license screen. Your license key will appear in the 'License' field after you press load. In both cases you have to press the 'Verify' button to complete the licensing process.

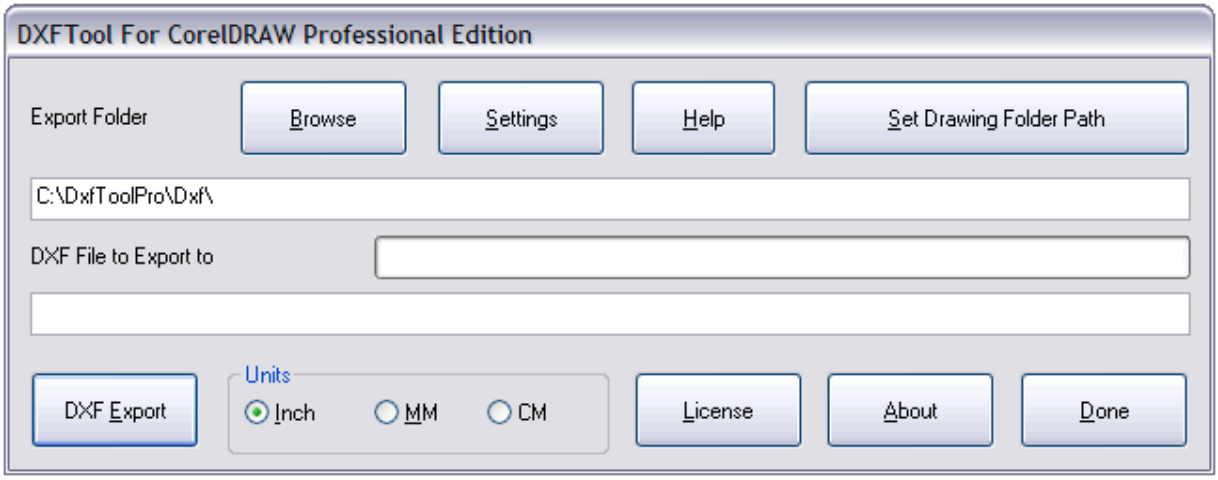

After pressing the 'Verify' button the 'Thank you' message box should appear. If you see any other message I may have made a mistake when I generated the license or the cut-and-paste was incomplete. Please email me if this step is a problem.



The 'About' button will display a dialog that gives information about the DXFTool Professional Edition.




The 'Done' button closes the DXFTool Professional Edition dialog.



# DXFTool For CorelDRAW Professional Edition

Support is available through email and at our CNC software forum
http://www.leonardcncsoftware.com/phpBB3/

Contact us on the web at http://www.leonardcncsoftware.com

Portions of the DXFTool Professional Edition are copyright Building Block Software - http://BuildingBlock.com - This is a world class computational geometry library that we are also using in our full CAD / CAM program DragonCNC. This library enables us to write solutions beyond what the CorelDRAW Object Model can do in VBA. Please inquire as to any custom programming for CorelDRAW that you may need.

New language translations are being added as they are requested. If you want support for your native language, please inquire and mention if you can assist with translations of the user interface and the help file / manual.

Reseller arrangements are available. Two levels of commission payments are available. Please inquire.

Bulk / Site licenses are available and the technology inside the DXFTool can be licensed for use in your own systems. A non-competition agreement is necessary for this.

Birds.cdr is a sample of artwork that we can make for you on contract. We will also have collections of this artwork for sale with DragonCNC, our full CAD / CAM system for CorelDRAW.

# DXFTool For CorelDRAW Professional Edition

This release of the DXFTool Professional Edition (1.0) has the following enhancements added to the functionality of the DXFTool Standard Edition. The original LINE / ARC export is maintained and we have added:

Polylines

Polyarcs

4 types of circle optimization

Large ARC detection and optimization

Tuning parameters to control the polyline and polyarc exports.

Fix layer names to AutoCAD R14 standards

CorelDRAW symbols are exported as simple shapes

Comments may be added to the DXF file. The comment will show the ENTITY type and the CorelDRAW shape name and number

UNIX style (line feed only) formatting for the DXF file is available