

## 6000 CNC CONTROL DXF Converter





DXF file can be converted into 5000 machine programs using the Offline software.

The DXF files are stored in the Program Page.

When going to Program Page only .G and/or .M file will be

displayed,press shift | F8 | Display twice, this will

display all files on **Program** page.

If DXF is on disk it needs to be copied into C:\User directory.

press shift F7 Log select A:

High light required DXF program press F9 Utility Copy to C:

Log back to C:\User.

High light DXF program

F UPARM2.DXF

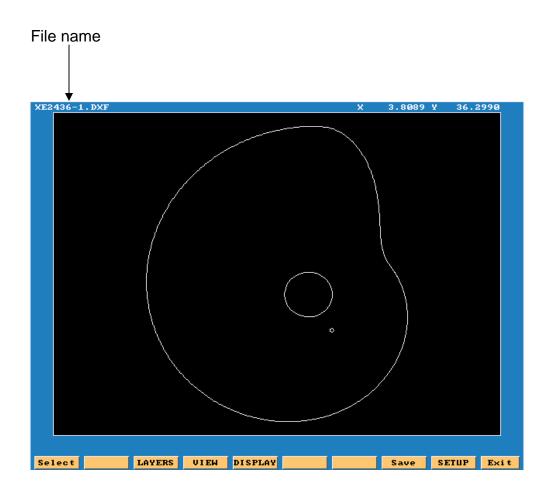
ME2436-1.DXF

XE2436-1.FXD

Press **F9** Utility high light DXF Converter

Copy
Rename
Print
Restore
Communications
Gcode To Conv.
DXF Converter
More ...





**Select:** Used when selecting elements on drawing. **Layers:** Allows layer on drawing to be turned Off or On.

**View:** XY,XZ,YZ or isometric.

**Display:**Fit, window, redraw, half or double.

**Save:** Saves program with .G once converted.

**Setup:** Allows setup of inputs and outputs.

Exit: Goes back to Program page

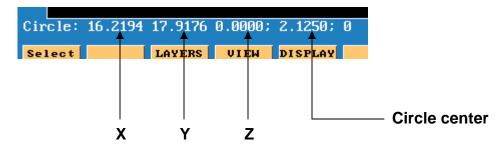


Zero on most drawings is usually not at a point that is covenient for programing, so there is a way it can be changed.

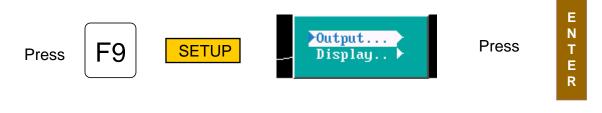
In the case of current drawing, the center of the hole in center of part is the best point X0 Y0.

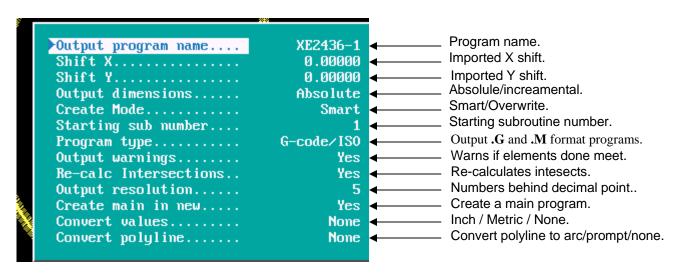
To do this Press the Ctlr key and hold it down put mouse point on to circle and press left mouse key, it will change to yellow, release keys.

At the bottom of screen X, Y, and Z cordinate will appear and also circle diameter.



Now press **ALT** key and letter **T** at the same time. This will in put these coordinates in to the **SETUP** and change **X0 Y0** to the center of hole.

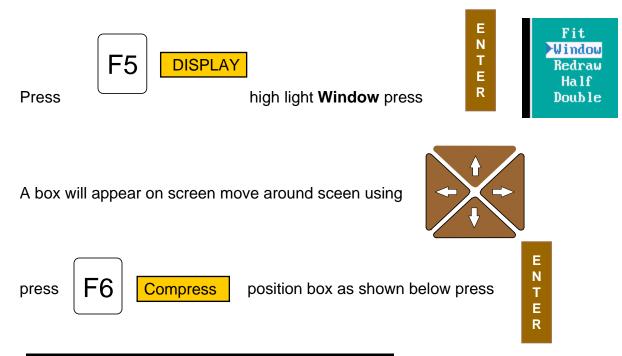


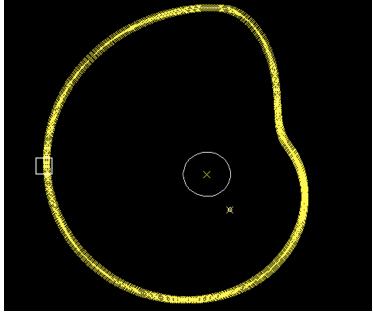




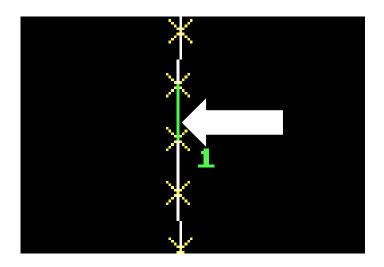


Press **ALT**key and letter **F**key at the same time, this will mark the end of each element.









Press F1 Select point mouse arrow to lower end of a line as shown

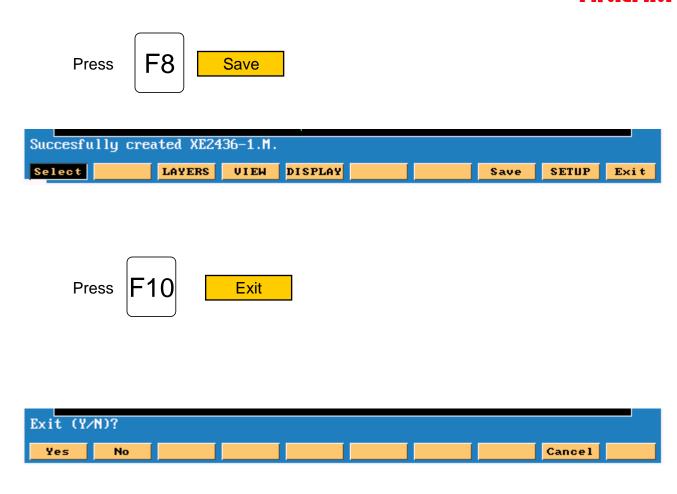
and pess left mouse key. Line will turn green as above and put a number at low end of line, the position of the number is the start point.

Now point to the line below it and press left mouse key, all off the line will be come green.

Press **ALT** key and letter **F**key at the same time the end of line markers will disappear.

Press F5 DISPLAY press F Part will appear at full size on screen

ANILAM

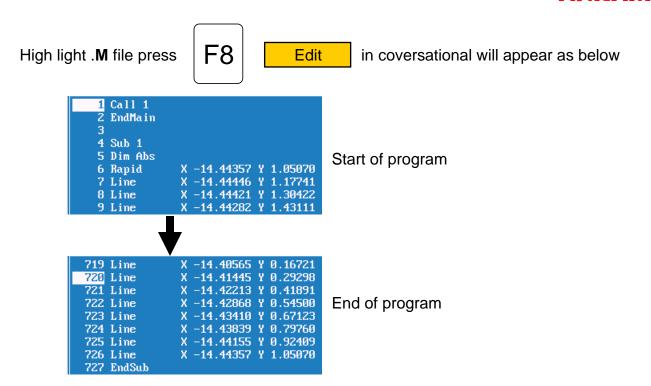




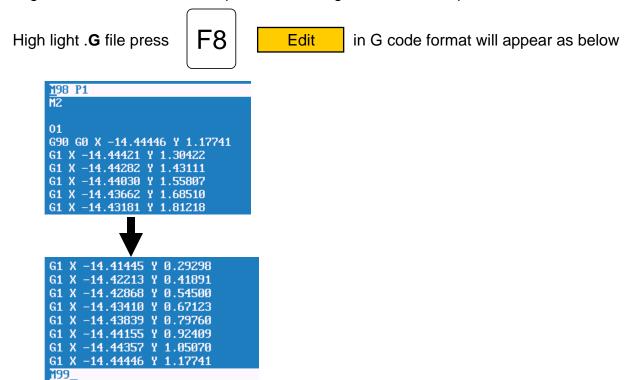
High light .G or .M file press





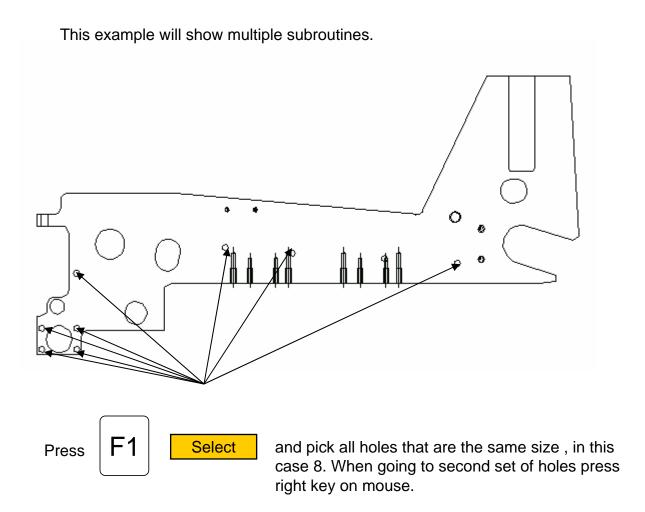


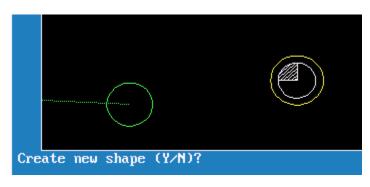
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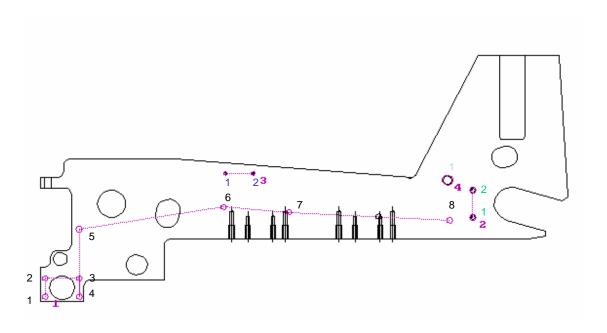


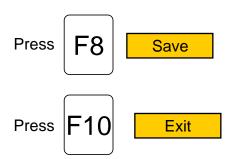


The green circle is the last of previously selected holes. The yellow circle is the one selected with right mouse button and in the bottom left it is asking if this is a new shape, the answer is **Y** .It will put a number 2 next to this hole, meaning this is shape 2.



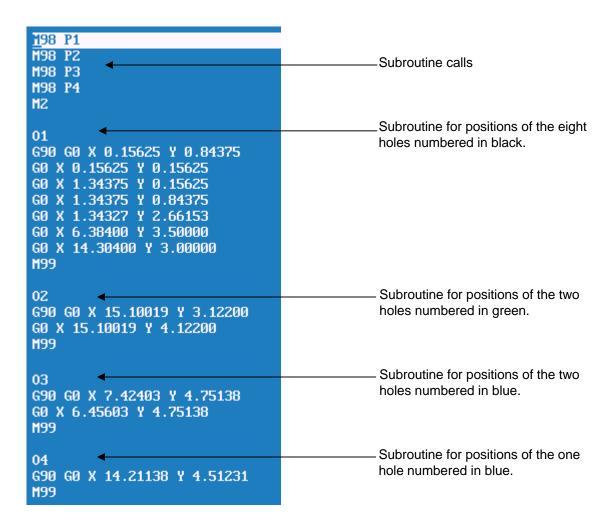
The print below shows the four shapes of the different size holes.







Below is the output from the DXF converter. Some editing is required to put in drilling cycles.



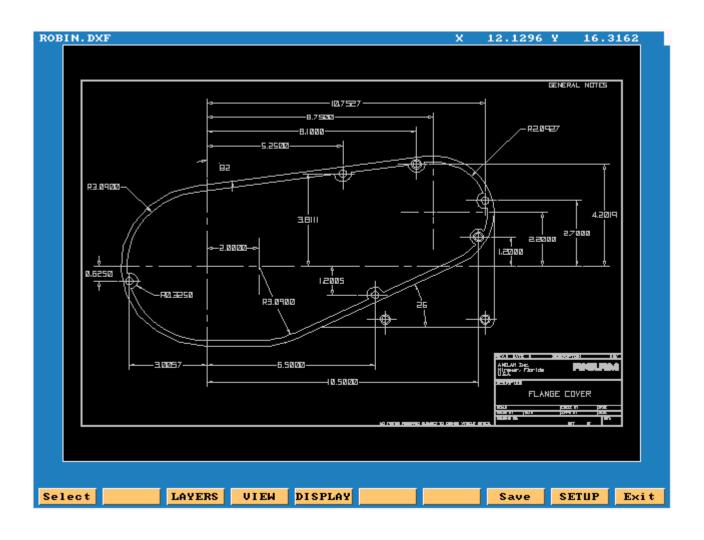


The program below is Edited with the drill cycles in the program.

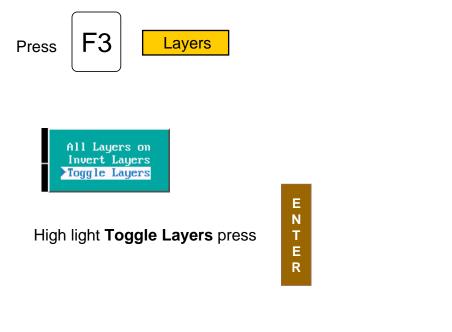
```
N1 G90 G70 G0 T0 Z0
NZ T1
N3 G81 Z-0.1500 R0.1000 F10.0
N4 M98 P1
N5 M98 P2
N6 M98 P3
N7 M98 P4
N8 G80
N9 GØ Z5
N10 T2
N11 G83 Z-0.5000 R0.1000 F12.0 I0.2500
N13 G80
N14 GØ Z5
N15 T3
N16 G87 Z-1.0000 R0.1000 F12.0 I0.2500 J0.0200 K0.1500 W0.0100 U0.5000
N17 M98 P2
N18 G80
N19 GØ Z5
N20 T4
N21 G81 Z-0.2500 R0.1000 F15.0
N22 M98 P3
N23 G80
N23 G80
N24 GØ Z5
N25 T5
N26 G83 Z-1.0000 R0.1000 F8.0 I0.2500
N27 M98 P4
N28 G80
N29 GØ Z5
N30 M2
N31
    01
N32 G90 G0 X 0.15625 Y 0.84375
N33 G0 X 0.15625 Y 0.15625
N34 G0 X 1.34375 Y 0.15625
N35 G0 X 1.34375 Y 0.84375
N36 G0 X 1.34327 Y 2.66153
N37 G0 X 6.38400 Y 3.50000
N38 G0 X 14.30400 Y 3.00000
N39 M99
N40 02
N41 G90 G0 X 15.10019 Y 3.12200
N4Z G0 X 15.10019 Y 4.12200
N43
    M99
N44
    03
    G90 G0 X 7.42403 Y 4.75138
N46 G0 X 6.45603 Y 4.75138
N47 M99
N48 04
N49 G90 G0 X 14.21138 Y 4.51231
N50 M99
```



In this example of a full drawing and how to turn off unnecessary information ,such as dimensions etc.

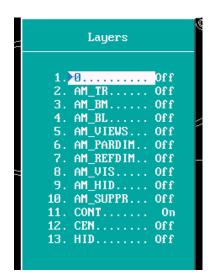






Put high light on layers not required and press

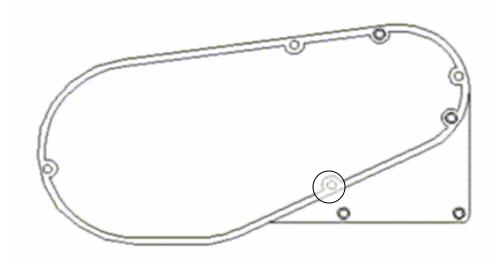
E N T to turn OFF. E R



In the drawing shown the only layer required to be left on is #11



Only the part profiles and holes are left.



The circled area is blown up below. It show an error in the drawing, where two lines are not connected. It will stop, select next element and the following message will appear.

Entity not connected. Connect anyway (Y/N)?

Press Y to continue.

It will then continue around part.

