

Advantech SE Technical Share Document

Date	2019 / 06 / 11			
Category	□FAQ ■ SOP	Related Produc	t CODESYS	
	□ Driver Tech Note			
Abstract	How to transfer DXF file to G code by CODESYS?			
Keyword	DXF, G code			
Related OS				
Revision History				
Date	Version	Author	Reviewer	Description
2019/06/11	V1.0)wen.Chang	Nick Liu	

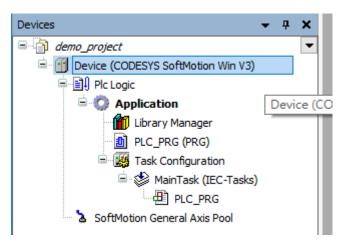
■ Problem Description & Architecture:

AutoCAD DXF (Drawing Interchange Format, or Drawing Exchange Format) is a CAD data file format developed by Autodesk for enabling data interoperability between AutoCAD and other programs. CODESYS can import DXF files for automated generation of matching G code or import ASCII file(.cnc, .gcode, .txt) which include G code description. This SOP show you how to do it.

Note: CODESYS have some restrictions for DXF file import, please refer to following doc: https://help.codesys.com/webapp/ sm cmd cnc dxf import;product=codesys softmotion

Brief Solution - Step by Step:

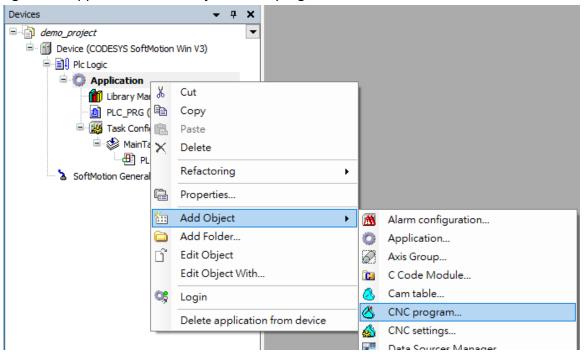
1. Select softmotion related device



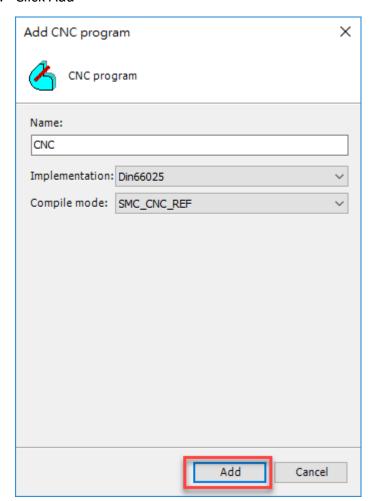


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2. Right click Application > Add Object > CNC program



3. Click Add



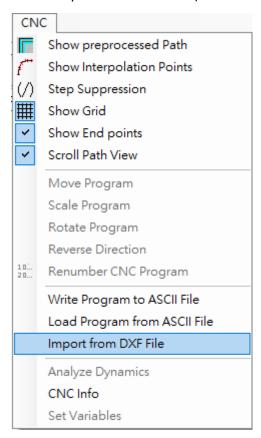


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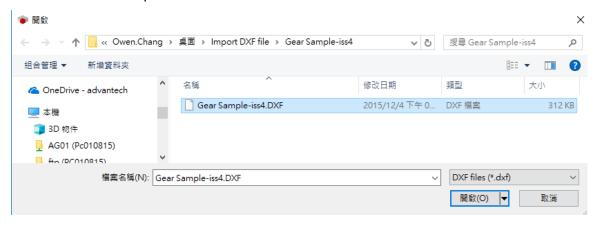
4. The CNC Tab will show up on the top tool bar



5. CNC > Import from DXF File (ASCIII File can be loaded by Load Program from ASCII File)



6. Select DXF file and open





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7. DXF is transferred to G code as result.

