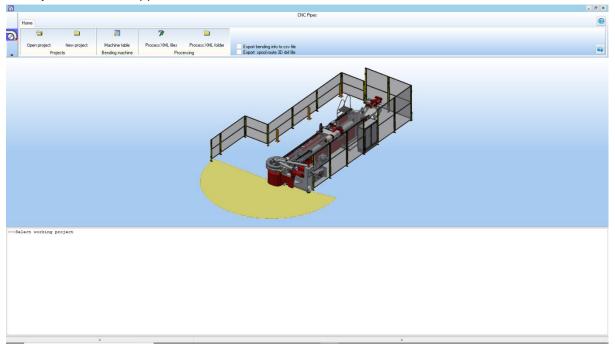
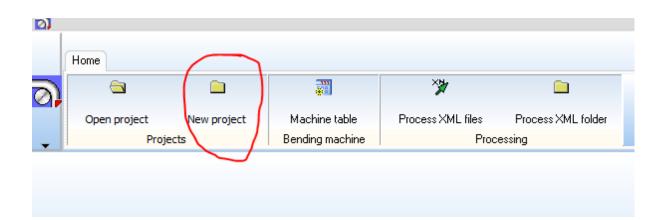
CNCPipes



 $\mathbf{CNCPipes}\,$, interface application between CADMATIC XML files and Transfluid TXT files

User guide

1. Create a new project



Hor	me					CNC Pipes	
a ,							0
	Open project		31	**			
	Projec	New project	Machine table Bending machine	Process XML files Pro	Process XML folder cessing	Export bending into to cav file Export spool route 30 dolf the	
					P	w and pipes project w and	
>>>Selec	t working pr		٨			~	

The project folder structure is like beelow

c:\TestAPP\cnc_pipe\P	D 1* *	
Name	Ext	Size
A		0.20
 []		<dir></dir>
CADMATIC_XML]		<dir></dir>
[PIPE_CNC]		<dir></dir>
[REPORTS]		<dir></dir>
PRJ1	prj	960

	CADMATC_XML	store unit subfolders	for cadmatic files
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	101 [1010] 200,100,		
	c:\TestAPP\cnc_pipe\PRJ	I\CADMA	TIC_XML*.*
t	Name	Ext	Size
-	@ []		<dir></dir>
-	[610108_303_Spools]		<dir></dir>
-			
-			

Name	Ext	Size	↓Date	
È[]		<dir></dir>	02/01/2	
303-360L0103.03	xml	10,531	08/25/2	
303-360L0114.02	xml	10,631	06/21/2	
303-333L0134.03	xml	14,180	06/21/2	
303-333L0116.01	xml	13,997	06/21/2	
303-332L0105.02	xml	13,711	06/21/2	

PIPE_CNC will store the coresponding txt files in same folders like input

REPORTS folder will store some reports info during processing of files.

2. Select current project

3						_ 8 ×
			CNC Pipes			
	Home					
0,	🗢 🗋 🧊	🎾 🗀				
0,						
		SXML files Process XML folder Processing	Export bending info to csv file Export spool route 3D dxf file			
¥	Projects Bending machine	Processing	Export spoorroute 30 dxrille			
		Dpen			×	
		C) Open			×	
		Look in:	PRJ1 ·	G 🤣 📂 🛄 •		
			Name	Date modified T	Type	
			CADMATIC_XML	2/1/2018 2:54 PM	File folder	
		Quick access		2/1/2018 2:54 PM F	File folder	
					File folder	
			PRJ1.prj	2/1/2018 2:54 PM	PRJ File	
		Desktop	Type: PRJ File			
			Type: PRJ File Size: 960 bytes Date modified: 2/1/20			
		Libraries	Date modified: 2/1/20	18 2:54 PM		
		This PC				
			•			
		Network				
			File name: PRJ1	- (Open	
			Files of type: Project file (*.prj)	• C	Cancel	
>>>8	elect working project					
	Α				٨	

3. Machine table

	Home				Pipes machines										- 🗆 🗙
	<u></u>			×7	Bending machines	Nominal diameter [mm]	Outer dismotor Immi	Thickness (mm)	Roublislu u al	BoxMax[x,y,z]	Two bents min length	Classe length 1	Clamp length 2	Part radiulized	May aine length!
)	Open project	New project	Machine table	Process XN			33.7	10.0	-6000,-6000,-1500						6000
	Project		Bending machine	110003374	TRANSFLUID DB 40168-3A-CN		42.4	10.0	-6000,-6000,-1500			85			6000
					TRANSFLUID DB 40168-3A-CN		48.3	10.0	-6000,-6000,-1500			100			6000
					TRANSFLUID DB 40168-3A-CN		60.3	11.0	-6000,-6000,-1500			121			6000
					TRANSFLUID DB 40168-3A-CN		76.1	11.0	-6000,-6000,-1500			152			6000
					TRANSFLUID DB 40168-3A-CN	(80	88.9	11.0	-6000,-6000,-1500	6000,6000,2000	180	180	180	205	6000
					TRANSFLUID DB 40168-3A-CN	(100	114.3	12.0	-6000,-6000,-1500	6000,6000,2000	230	230	230	245	6000
					TRANSFLUID DB 40168-3A-CN	(100	114.3	12.0	-6000,-6000,-1500	6000,6000,2000	230	230	230	245	6000
					TRANSFLUID DB 40168-3A-CN	125	139.7	13.0	-6000,-6000,-1500	6000,6000,2000	280	280	280	345	6000
Cu Ch	lect working p rrent project oose command ow machine tab)	C:\TestAPP\cn	ıc_pipe\PRJ1\PRJ1	l.prj											

For user are importand only the yellow cells whic define the bending radius to be used for DN50 and DN125

Total length = 2247.71

| bent pipe | 3 bendings

- S CNC BX CNC Pipes : C:\TESTAPP\CNC_PIPE\PRJ1\PRJ1.PRJ 0 77 × 0, Machine table Bending machin Process XML files Process XML folder Open p New project Export bending info to csv file ing CADMATIC_XML 610108_303_Spools elect working project urrent project : C:\TestAPP\cnc_pipe\PRJ1\PRJ1.prj how machime table achime table updated OK Cancel CNC Pip CNC Pipes : C:\TESTAPP\CNC_PIPE\PRJ1\PRJ1.PRJ Home 0, - 69 **a** × Machine table Proce s XML I ort bending info to csv file ort_spool route 3D dxf file - Alter
- 4. To run the interface are two options :

A: proces XML folder , will process all files from selected folder

Selected file path opened in defaul application

303-360L0114 02_1 - Notepad File Edit Format View Help Isometric drawing: 303-360L0114.02 Spool : 02 Cut : 1 Nr Bendings 3 з. Total Length : 2247.71 Point Information Of Completed Pipe: Point Ζ Distance from х Υ Id previous point 12190.0 0 -282.0 1815.0 1 12190.0 -325.0 1815.0 43.0 2 12190.0 -510.0 1765.4 191.5 3 13842.2 -510.0 1765.4 1652.2 4 13842.2 -895.0 1765.4 385.0 Bending Information: Transport Rotation Bend Length of bending 70.0 0.0 15.0 18.3 112.3 -90.9 90.0 110.0 -165.0 90.0 1512.2 110.0 (Bend without flanges) Used Bending Machine Information: Name TRANSFLUID DB 40168-3A-CNC Line: 0 Nominal Size 25 Bending Radius 70.0 Maximum Pipe Length Not Set Maximum Set Length Not Set Min. length at begin 70.0 Min. length at begin with flange: 70.0 Min. length between bendings....: 70.0 Min. length at end 70.0 Min. length at end with flange..: 70.0 Spring Back for bendings: Not Set Start to bend at SHORTER Compute Extra Length (cel): No Bending Direction: LEFT

TXT files are exported in PIPE_CNC folder

Name	Ext	Ext Size			
`` []		<dir></dir>	02		
303-332L0105 02_1	txt	1,538	02		
303-333L0116 01_1	txt	1,440	02/		
303-333L0134 03_1	txt	1,641	02/		
303-360L0114 02_1	txt	1,538	02/		

B. By selecting files . The user can select whic file will be processed by interface

NC Pipes				CNC Pipes : C:\TESTAPP\CNC	PIPE\PRJ1\PRJ1.PRJ		
Home Open project New project Projects	Machine table Bending machine	>≱ Process XML files Proce	Process XML folder	Export bending info to csv file Export spool route 3D dxf file			
			Code In Lock In Quick access Desktop Desktop Desktop This PC	Nane 030-332005.02 303-332005.02 303-332005.02 303-332005.02 303-3600010*07	2017 4:27 PM	XML Docu	
overlength automatic added ing info node : 1 Feed in 70.0 Bedium : 15.0 Redium : 15.0 Redium : 70.0 Redium : 70.0	3 9 .2 .0		Spco1#\303-3601011	4 02_1.tst Dn = 36	Bending radius = 70	Total length = 2347.71 bent pj	ipe 3 bendings

Durring processing in prompt area a lot of info message are showed.

If you check the two export option a csv file whit all bending info is exported and also for each spoll

a 3D dxf is exported whit the pipe route.

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	Open project Proje	New project	Machine table Bending machine	Process XML files Proce	Process XML folder	 Export bending info to csv file Export spool route 3D dxf file



SoftCAD Solutions s.r.l

SOFTWARE PARK 23.Portului Street Galati,Romania Tel /Fax : 0236407034 Mobile : 0745657447 E-mail: softcad@softwarepark-galati.ro http://www.softcadsolutions.shorturl.com/