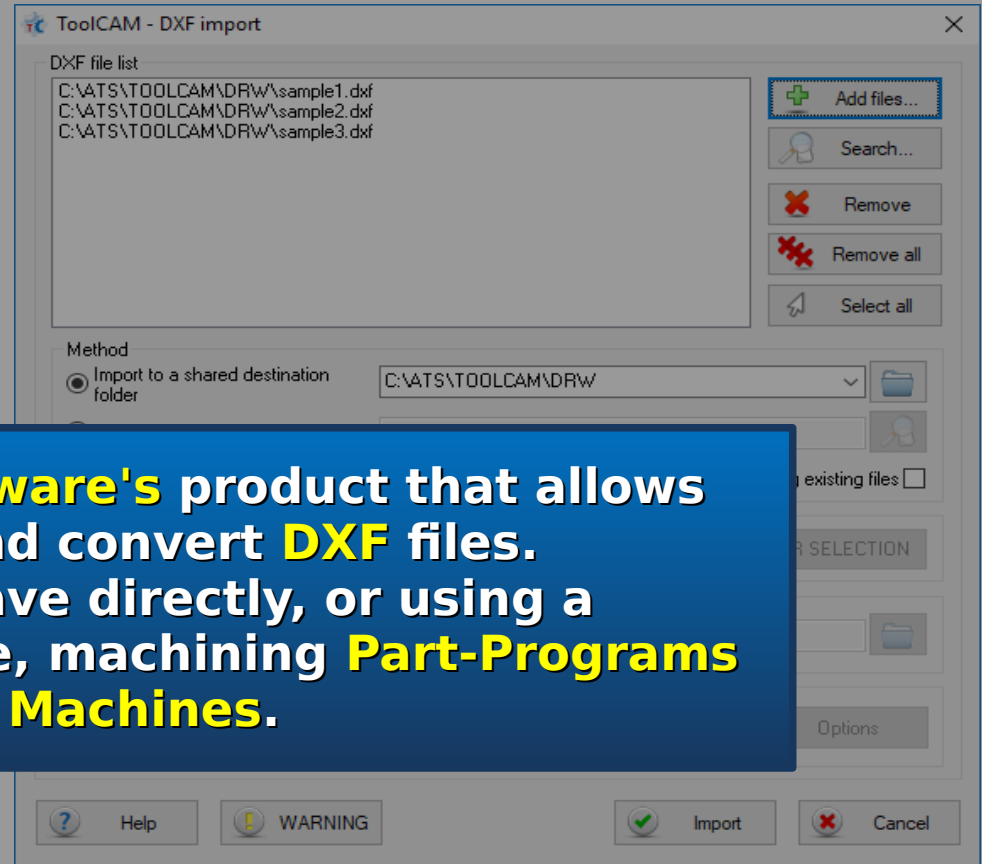


ToolCAM

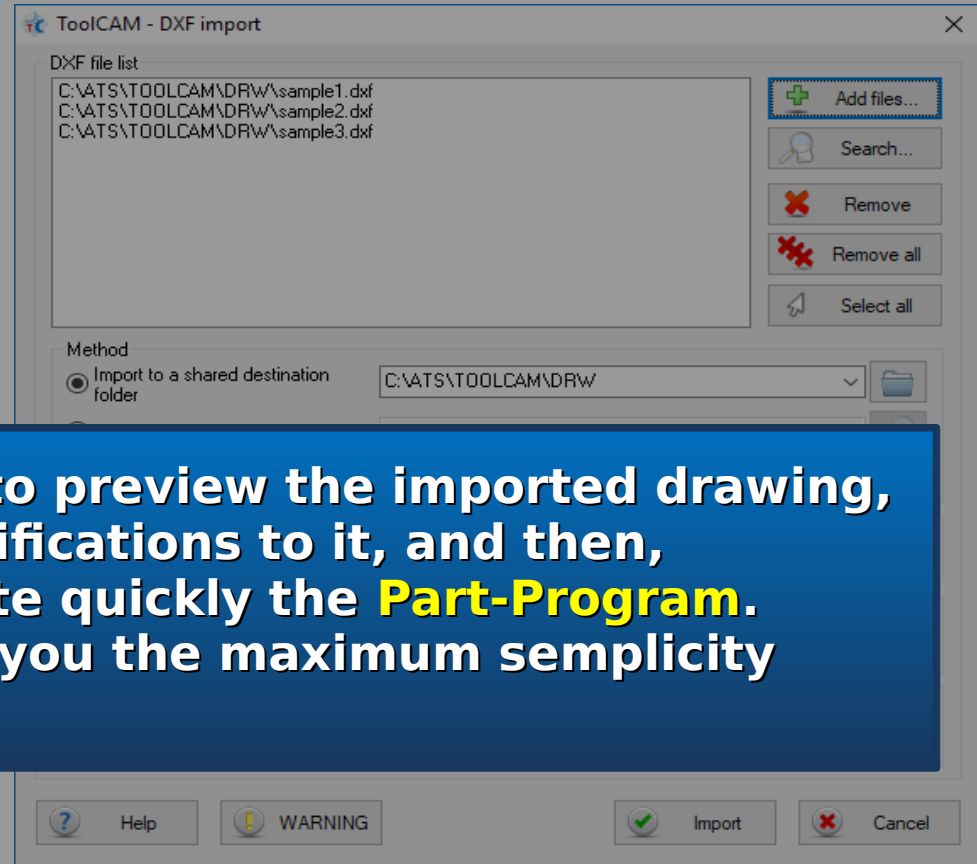


ToolCAM

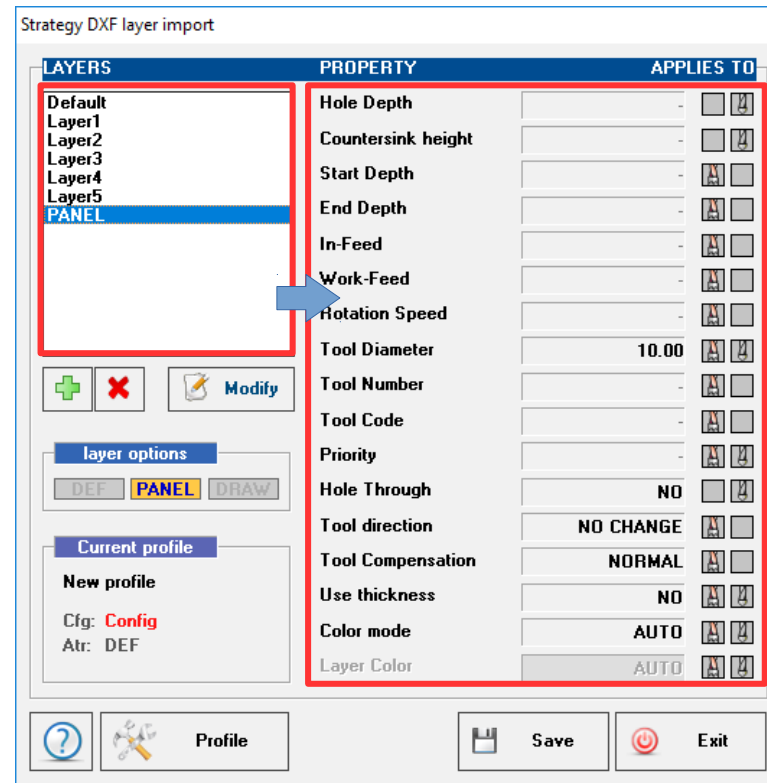


ToolCAM is an **A Tool Software's** product that allows in few steps to import and convert **DXF** files. With **ToolCAM** you can have directly, or using a dedicated layer structure, machining **Part-Programs** for different type of **CNC Machines**.

ToolCAM

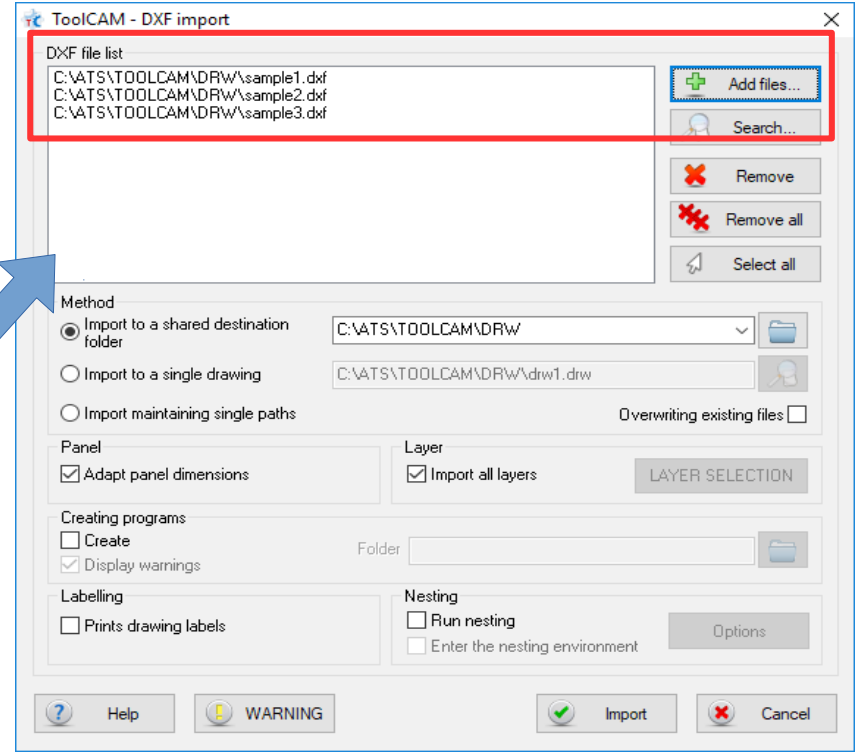
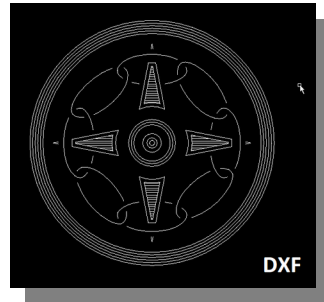
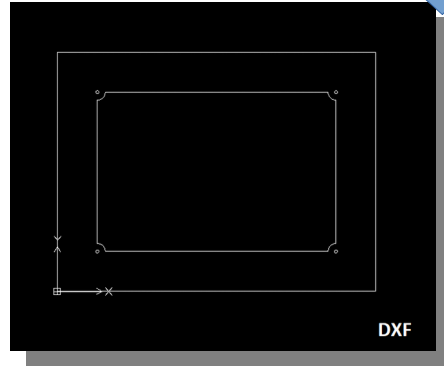
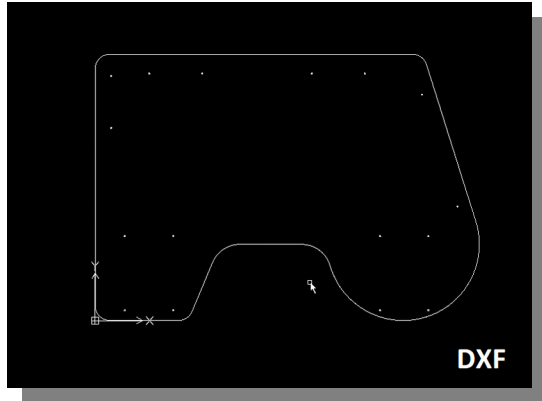


ToolCAM gives the possibility to preview the imported drawing, if necessary apply simple modifications to it, and then, with CAM functionalities, create quickly the **Part-Program**. **ToolCAM** philosophy is to give you the maximum simplicity to create **CNC** code.



With the **advanced DXF** import of **ToolCAM**, through the use of layers, it is possible automatically assign the machining properties at the entities (tool to use, tool correction right/left with respect to the path drawn, input and processing speed, prioritize work to determine the sequence of execution and more)

ToolCAM



It will only be necessary to select the **DXF** files to be imported

ToolCAM

```
C:\ASPAN4\p2part\draw.ANC

;[ Drilling upper face ]
N17 G0 X1470.00 Y130.00
N18 A0 C0
N19 G0 Z40
N20 G1 Z-4.00 F2000
N21 G0 Z40
;[ Drilling upper face ]
N22 G0 X130.00 Y670.00
N23 A0 C0
N24 G0 Z40
N25 G1 Z-4.00 F2000
N26 G0 Z40
;[ Drilling upper face ]
N27 G0 X1470.00 Y670.00
N28 A0 C0
N29 G0 Z40
N30 G1 Z-4.00 F2000
N31 G0 Z40
;[*Fresatura*]
N32 G0 Z40
N33 G0 Z178.00
N34 G0 A0 C0
N35 G0 A0 C0
N36 (TCP)
N37 M6 T4
N38 M115
N39 M13 S18000
N40 h4
N41 (TCP,1)
N42 G0 X746.52 Y699.92 A0 C0
N43 G0 Z40
N44 G1 Z-5.00 F2000

Line : 1/ 122
```

Help Ok

On-line help call-out

At the end, **ToolCAM** automatically generates part-programs for each imported **DXF**



Layer: DEFAULT

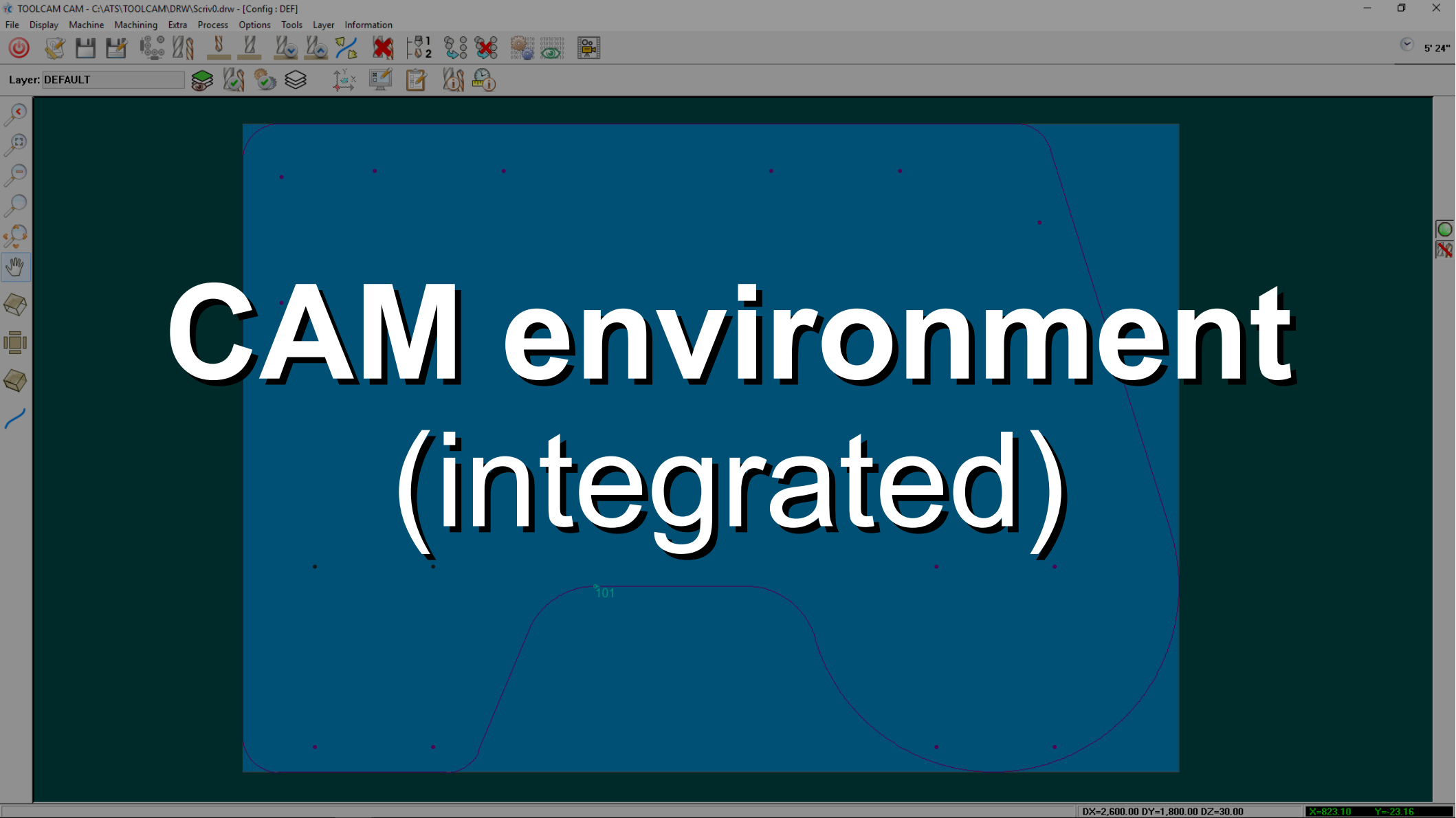
CAD environment (integrated)



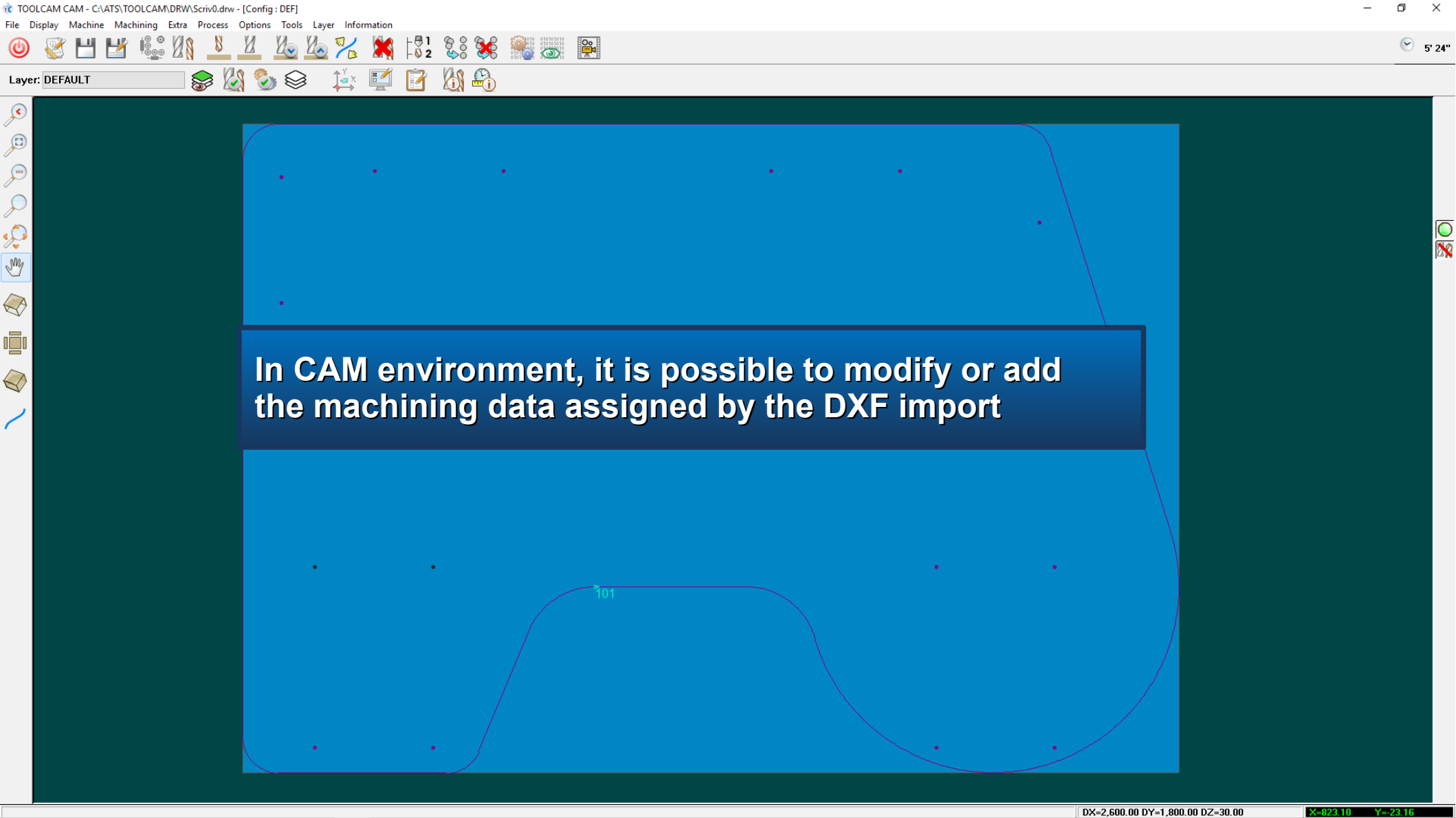


Layer: DEFAULT

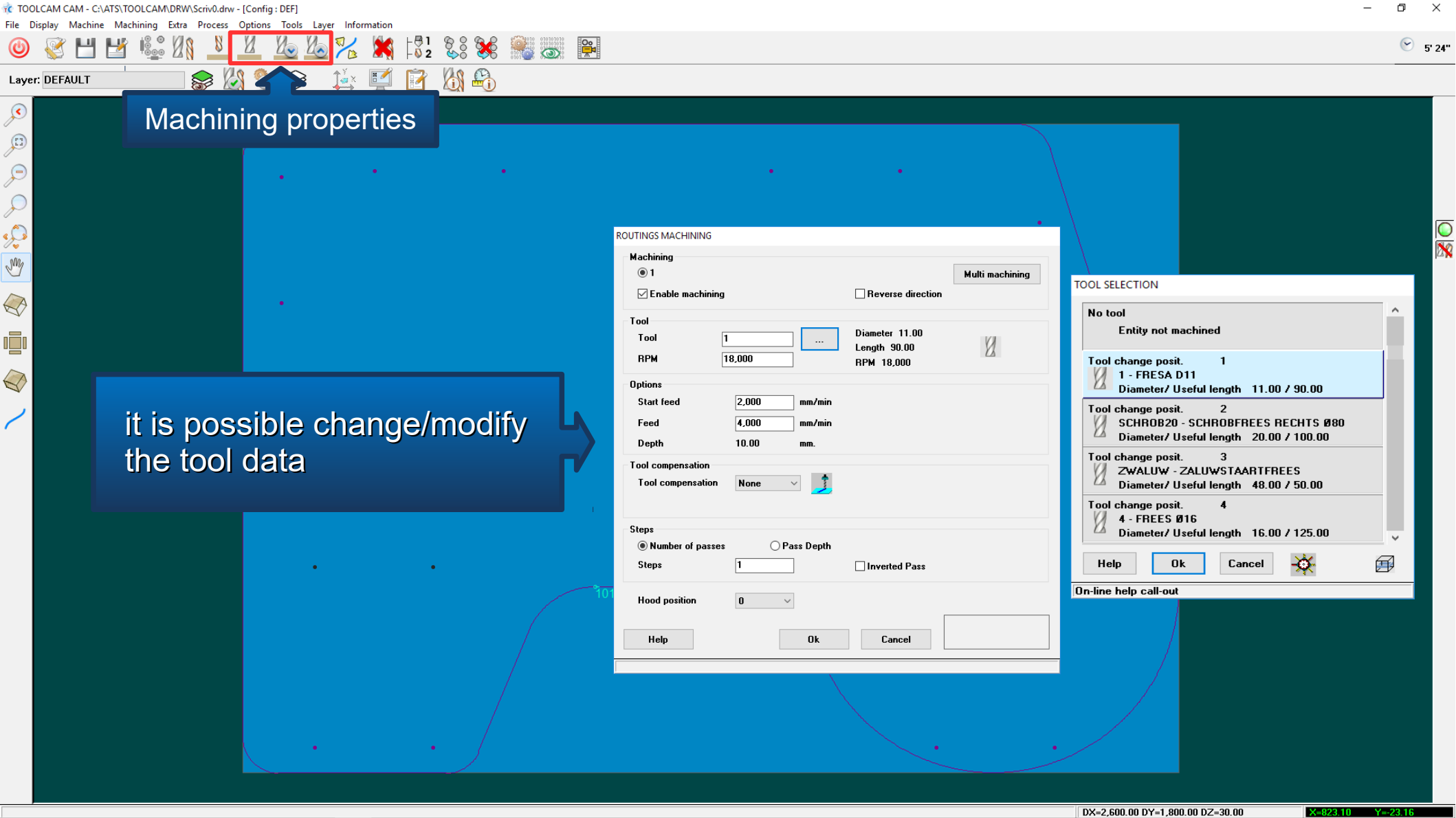
After importing, it is possible to enter the CAD environment to make small changes to the file (copy, move, join, explode, etc.)



CAM environment (integrated)



In CAM environment, it is possible to modify or add the machining data assigned by the DXF import



Machining properties

it is possible change/modify the tool data

ROUTINGS MACHINING

Machining

1 Multi machining

Enable machining Reverse direction

Tool

Tool: 1 Diameter: 11.00
Length: 90.00

RPM: 18,000 RPM: 18,000

Options

Start feed: 2,000 mm/min
Feed: 4,000 mm/min
Depth: 10.00 mm

Tool compensation

Tool compensation: None

Steps

Number of passes Pass Depth

Steps: 1 Inverted Pass

Hood position: 0

TOOL SELECTION

No tool
Entity not machined

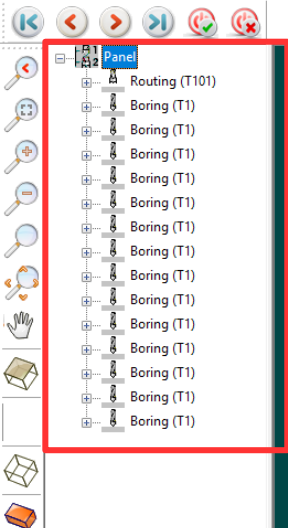
Tool change posit. 1
1 - FRESA D11
Diameter/ Useful length 11.00 / 90.00

Tool change posit. 2
SCHROB20 - SCHROBFREES RECHTS Ø80
Diameter/ Useful length 20.00 / 100.00

Tool change posit. 3
ZWALUW - ZALUWSTAARTFREES
Diameter/ Useful length 48.00 / 50.00

Tool change posit. 4
4 - FREES Ø16
Diameter/ Useful length 16.00 / 125.00

On-line help call-out



Machining sequence can be **ordered** by dragging the machining and dropping it in the desired position

ToolCAM automatically creates an **optimized machining sequence** that can be **easily personalized** using the integrated sequence environment.



Layer: DEFAULT

Using the information processed in the CAM and SEQUENCE environments it is possible to update the machine program.

User can set parameters for the generation and immediately see the part-program created.

C:\ASPAN4\p2part\draw.ANC

```
:[ Drilling upper face ]  
N17 G0 X1470.00 Y130.00  
N18 A0 C0  
N19 G0 Z40  
N20 G1 Z-4.00 F2000  
N21 G0 Z40  
:[ Drilling upper face ]  
N22 G0 X130.00 Y670.00  
N23 A0 C0  
N24 G0 Z40  
N25 G1 Z-4.00 F2000  
N26 G0 Z40  
:[ Drilling upper face ]  
N27 G0 X1470.00 Y670.00  
N28 A0 C0  
N29 G0 Z40  
N30 G1 Z-4.00 F2000  
N31 G0 Z40  
:[*Fresatura*]  
N32 G0 Z40  
N33 G0 Z178.00  
N34 G0 A0 C0  
N35 G0 A0 C0  
N36 (TCP)  
N37 M6 T4  
N38 M115  
N39 M13 S18000  
N40 h4  
N41 (TCP.1)  
N42 G0 X746.52 Y699.92 A0 C0  
N43 G0 Z40  
N44 G1 Z-5.00 F2000
```

Line : 1 / 122

Help

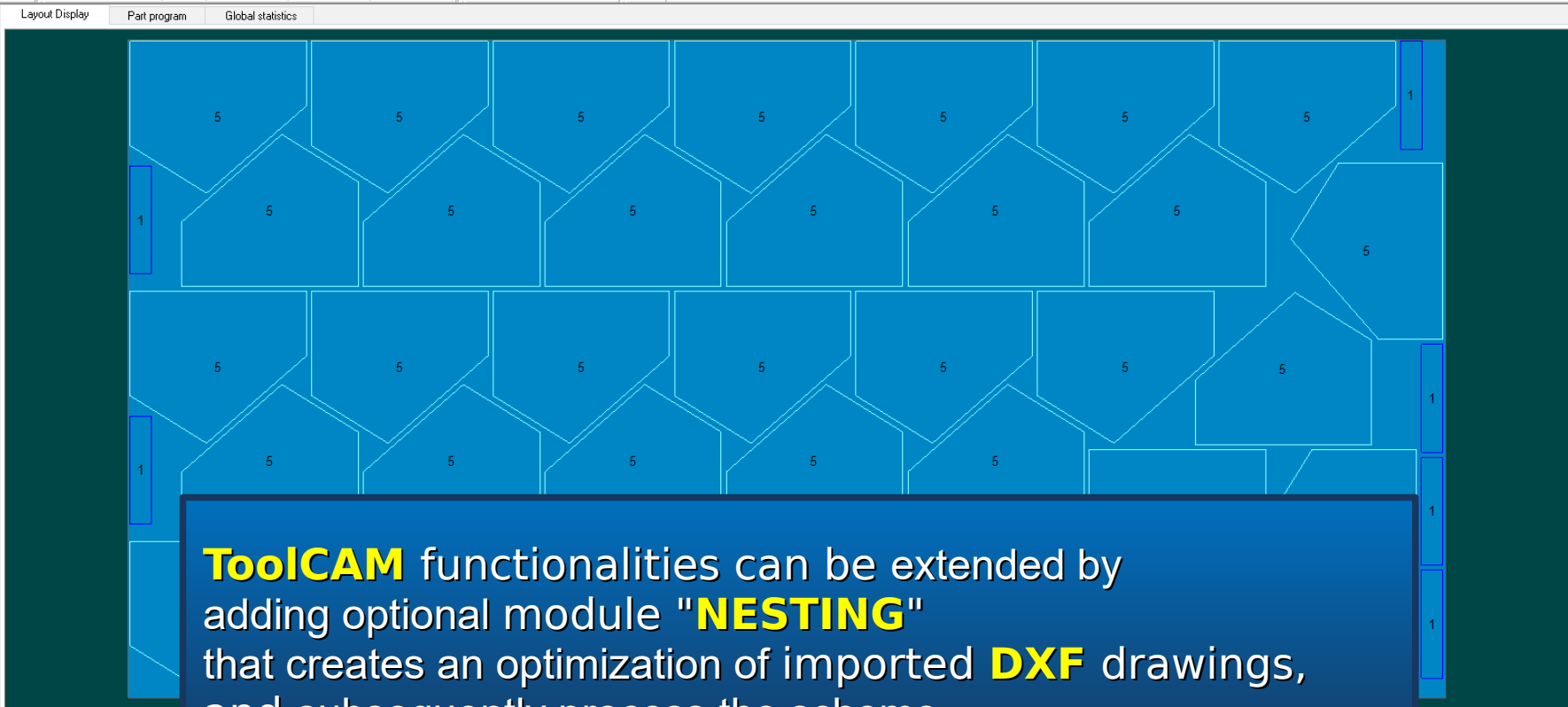
Ok

On-line help call-out

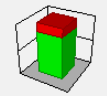


Obtained layout

No.	Sheet name	Repetitions
1	Sheet_1	1
2	Sheet_1	1
3	Sheet_1	1
4	Sheet_1	1
5	Sheet_1	1
6	Sheet_1	1
7	Sheet_1	1



ToolCAM functionalities can be extended by adding optional module "**NESTING**" that creates an optimization of imported **DXF** drawings, and subsequently process the scheme.



Used (84.00%)
Waste (16.00%)

Statistics - Layout n. 2 - (Sheet_1)

Width	Height	Thickness
2,438.40	1,219.20	19.05
Total area (m²)	2.97	Waste (%)
Used area (m²)	2.50	16.00

Material: Not defined

Parts in layout N.2

No.	Piece	Repetitions	Remainder
5	Piece	1	28
4	Holder	1	48
1	New rectangle 1	14	6

Results environment



For more information please visit Atool Software's official website

www.atoolsoftware.it