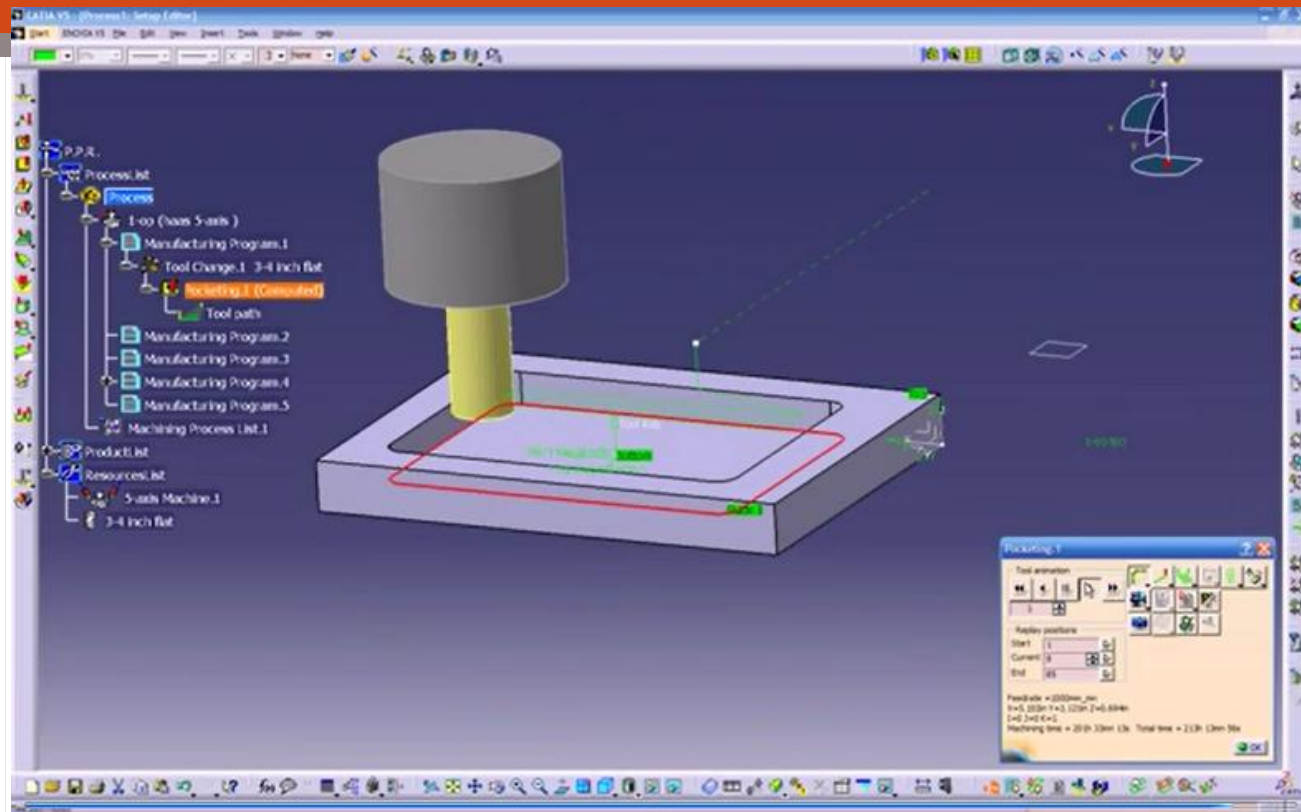


C.F.A.O = CAO + FAO

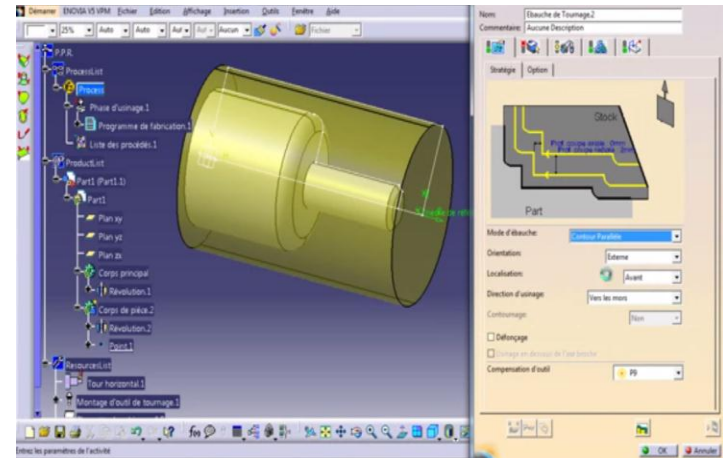
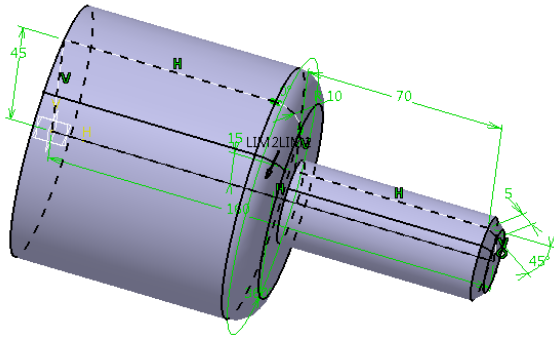
Conception et Fabrication Assistées par Ordinateur



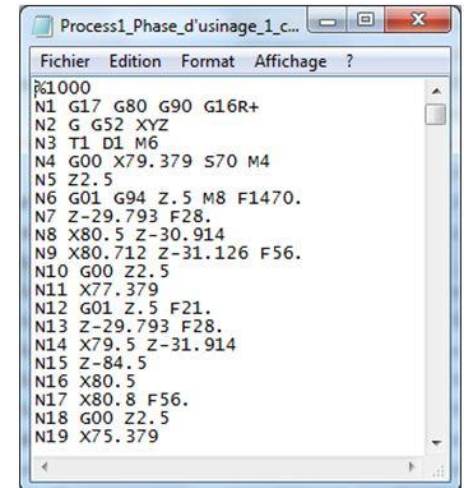
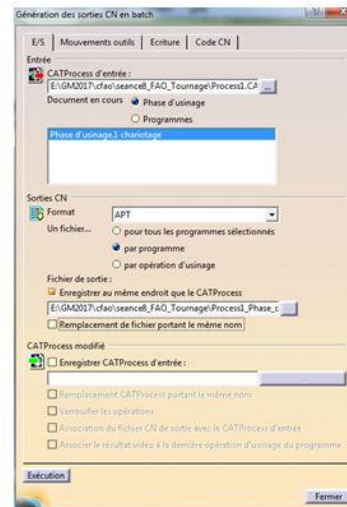
C.F.A.O

C.A.O/ CAD

F.A.O/CAM

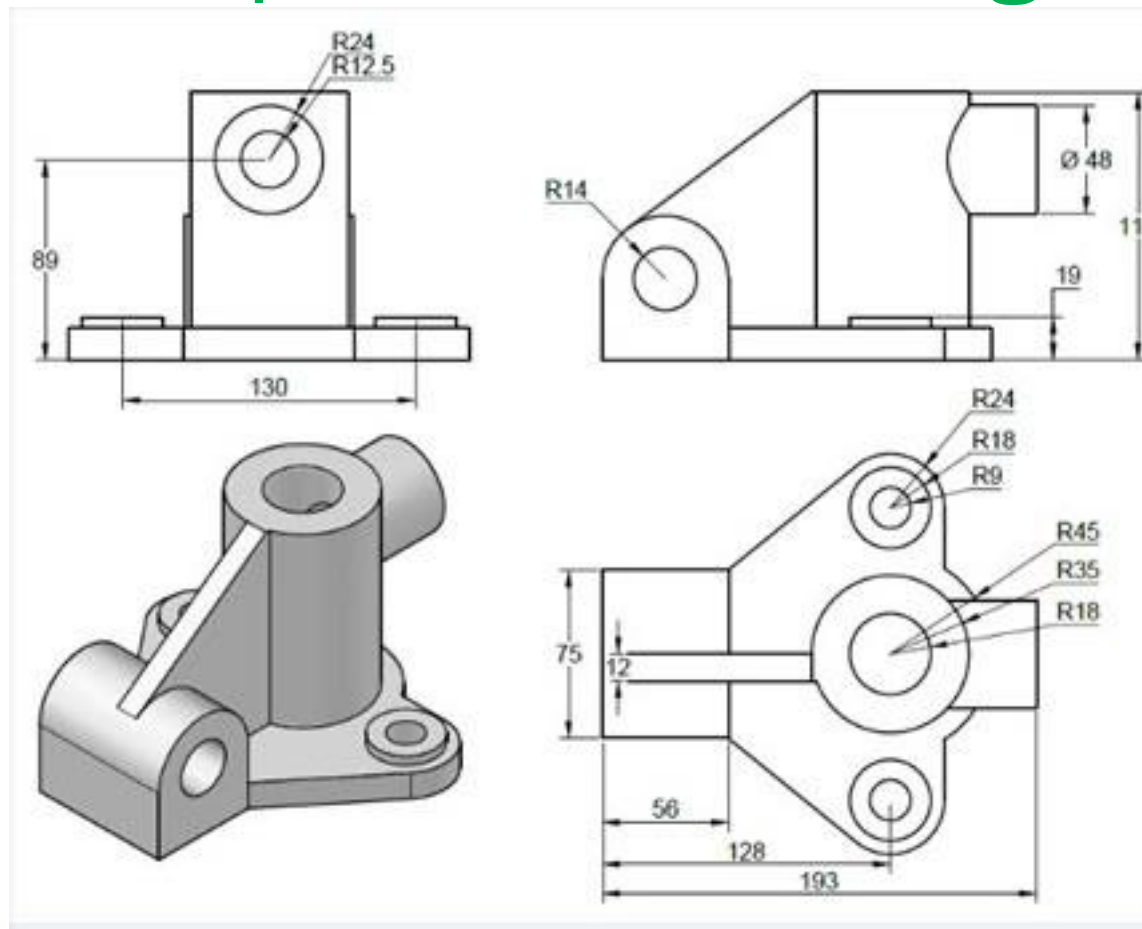


Préparation de la
pièce à usiner en
3D



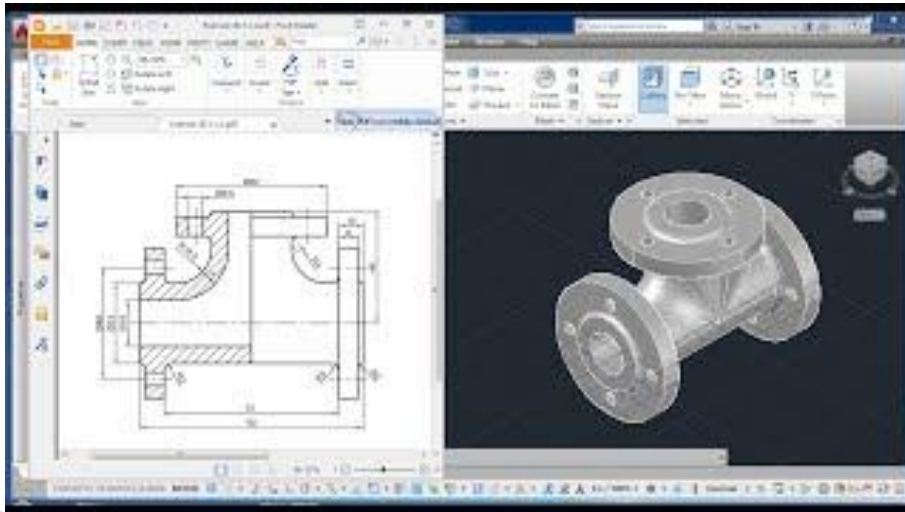
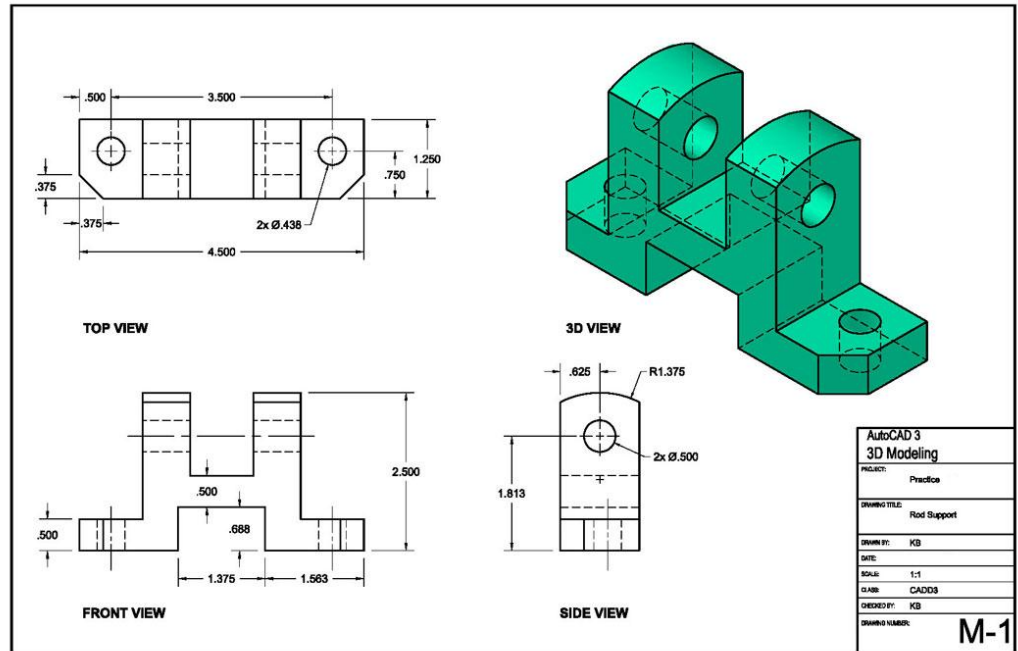
C.A.O / C.A.D

Conception Assistées par Ordinateur
Computer Aided Design



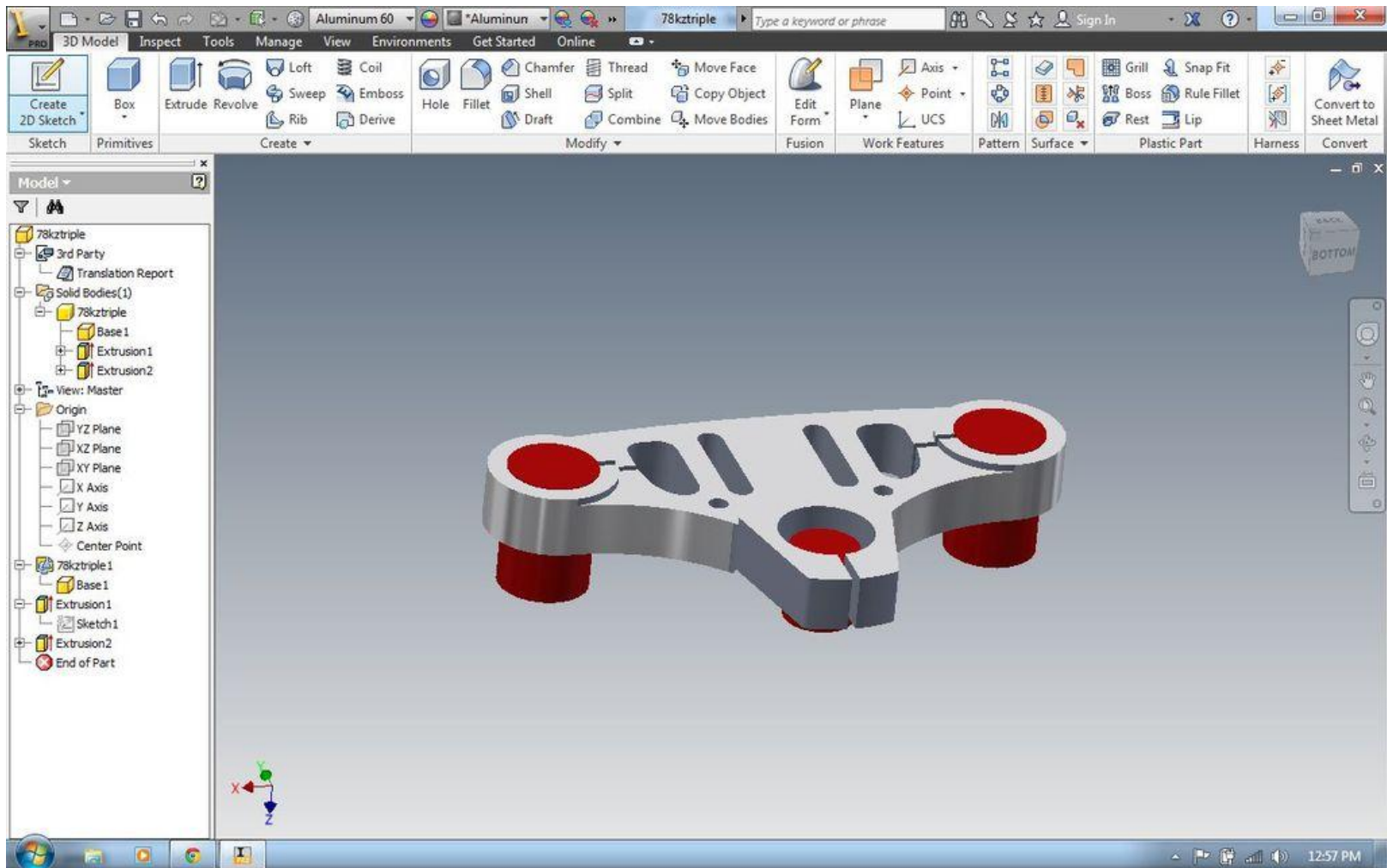
C. A. O / C.A.D: Le logiciel AUTOCAD

Des formes géométriques en 3D réaliser sur le logiciel AUTOCAD



Exemple de logiciel de CAO/CAD
AUTOCAD qui permet de faire des dessins en 2D et 3D

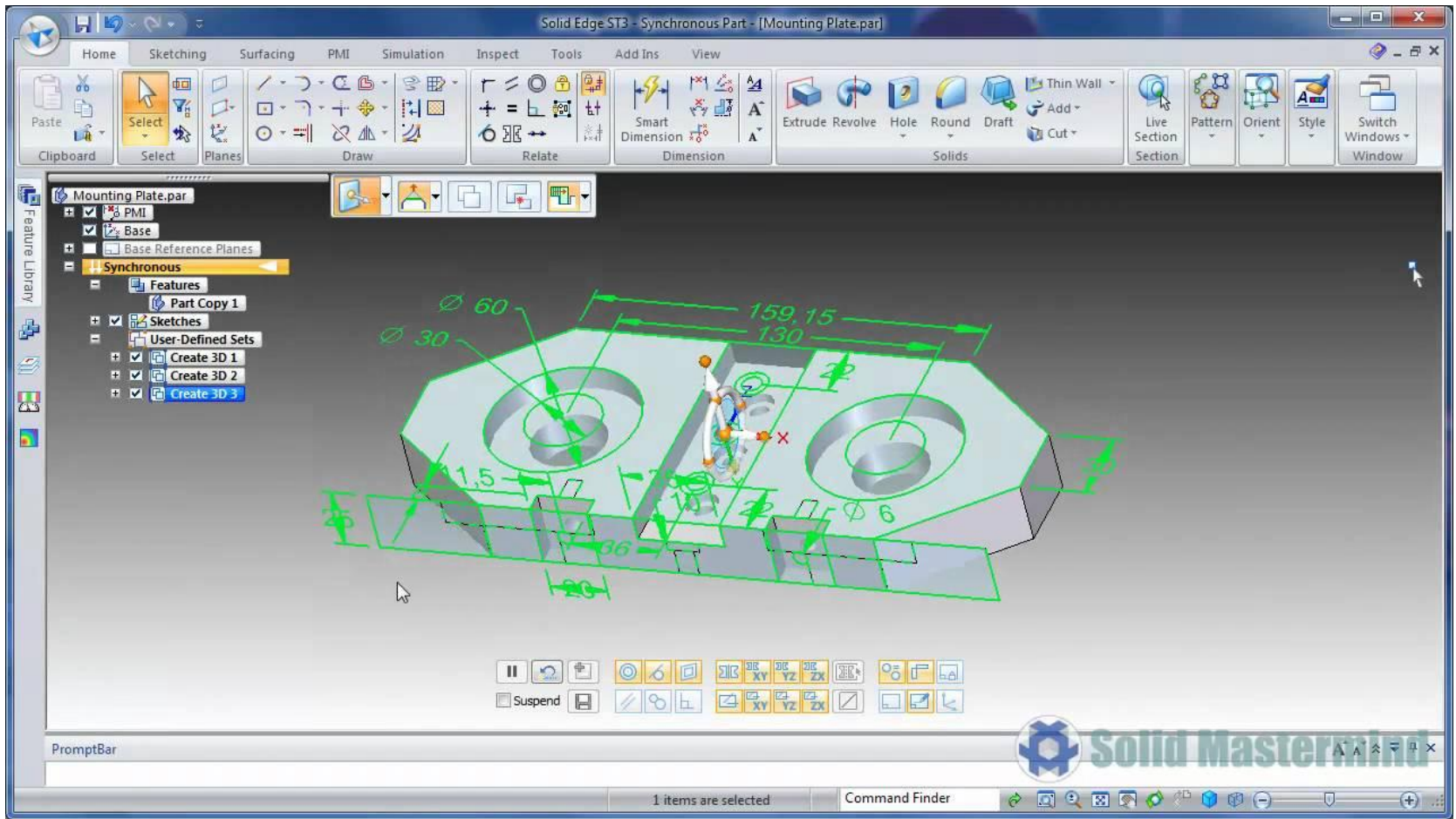
C. A.O / C.A.D: Le logiciel INVENTOR



Exemple de logiciel de CAO/CAD

INVENTOR: qui permet de réaliser des dessins en 2D et 3D

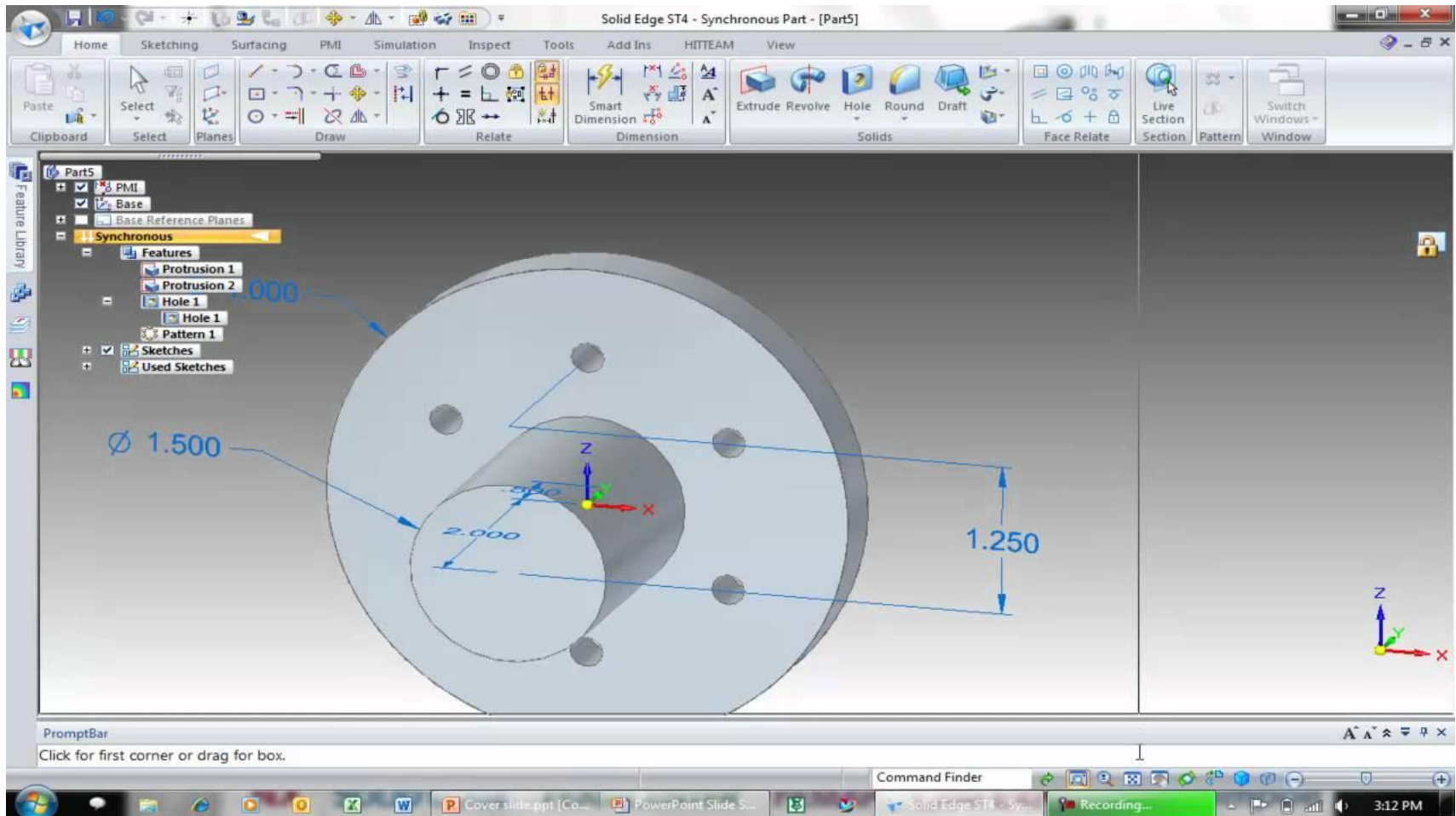
C. A.O / C.A.D: Le logiciel SOLID EDGE



Exemple de logiciel de CAO/CAD

SOLID EDGE: qui permet de réaliser des dessins en 2D et 3D

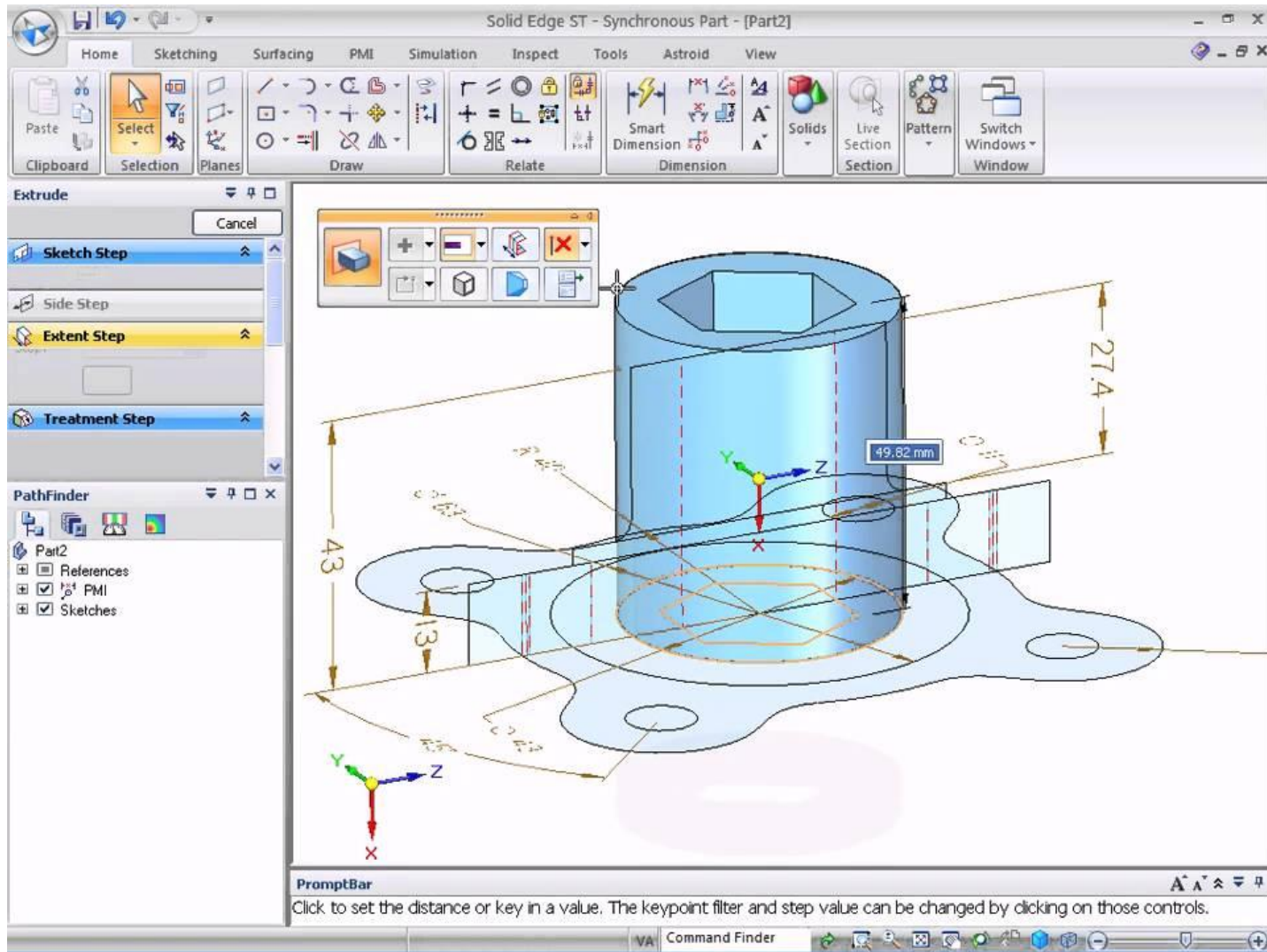
C.A.O / C.A.D: Le logiciel SOLID EDGE



Exemple de logiciel de CAO/CAD

SOLID EDGE: qui permet de réaliser des dessins en 2D et 3D

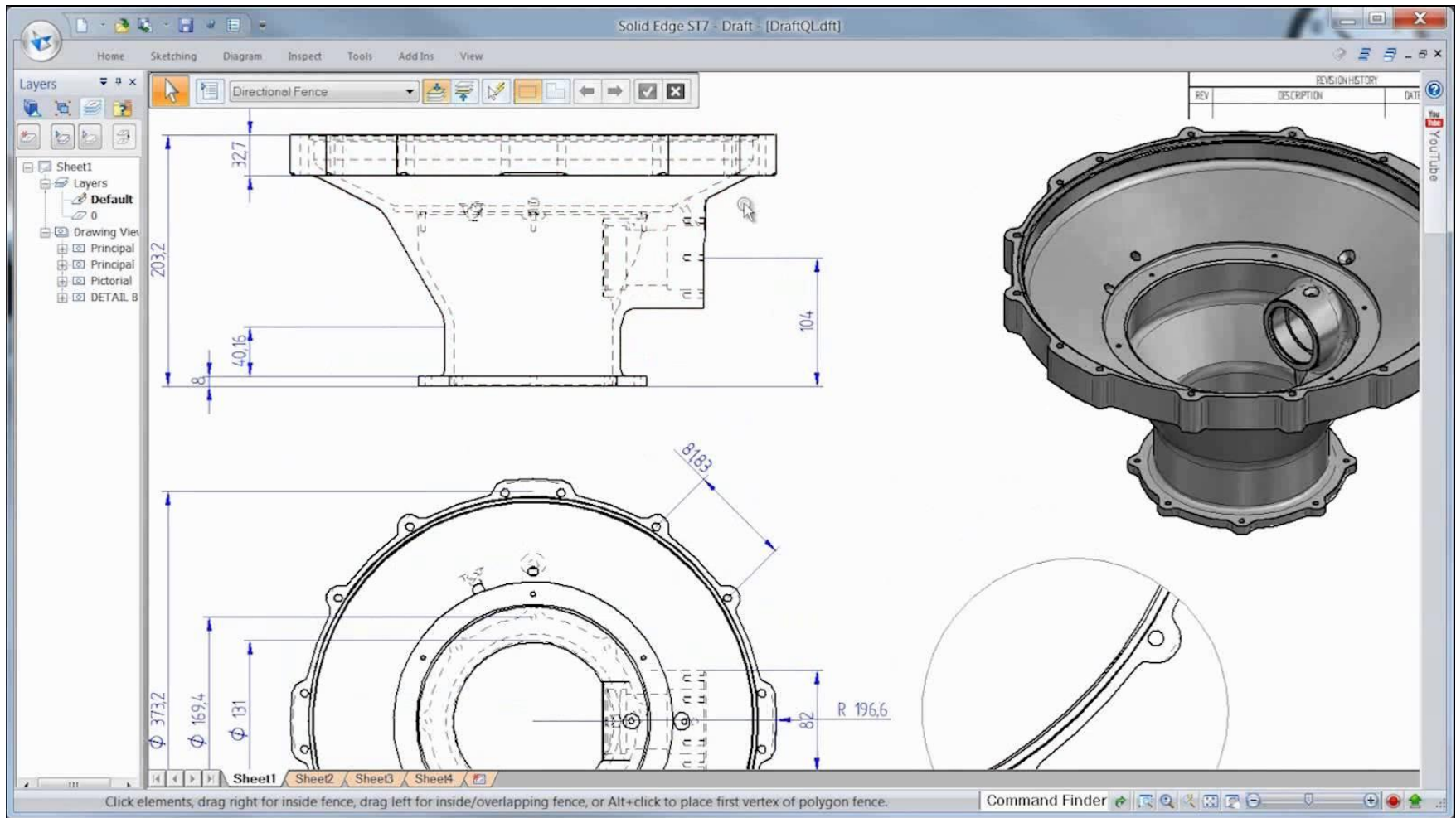
C. A.O / C.A.D: Le logiciel SOLID EDGE



Exemple de logiciel de CAO/CAD

SOLID EDGE: qui permet de réaliser des dessins en 2D et 3D

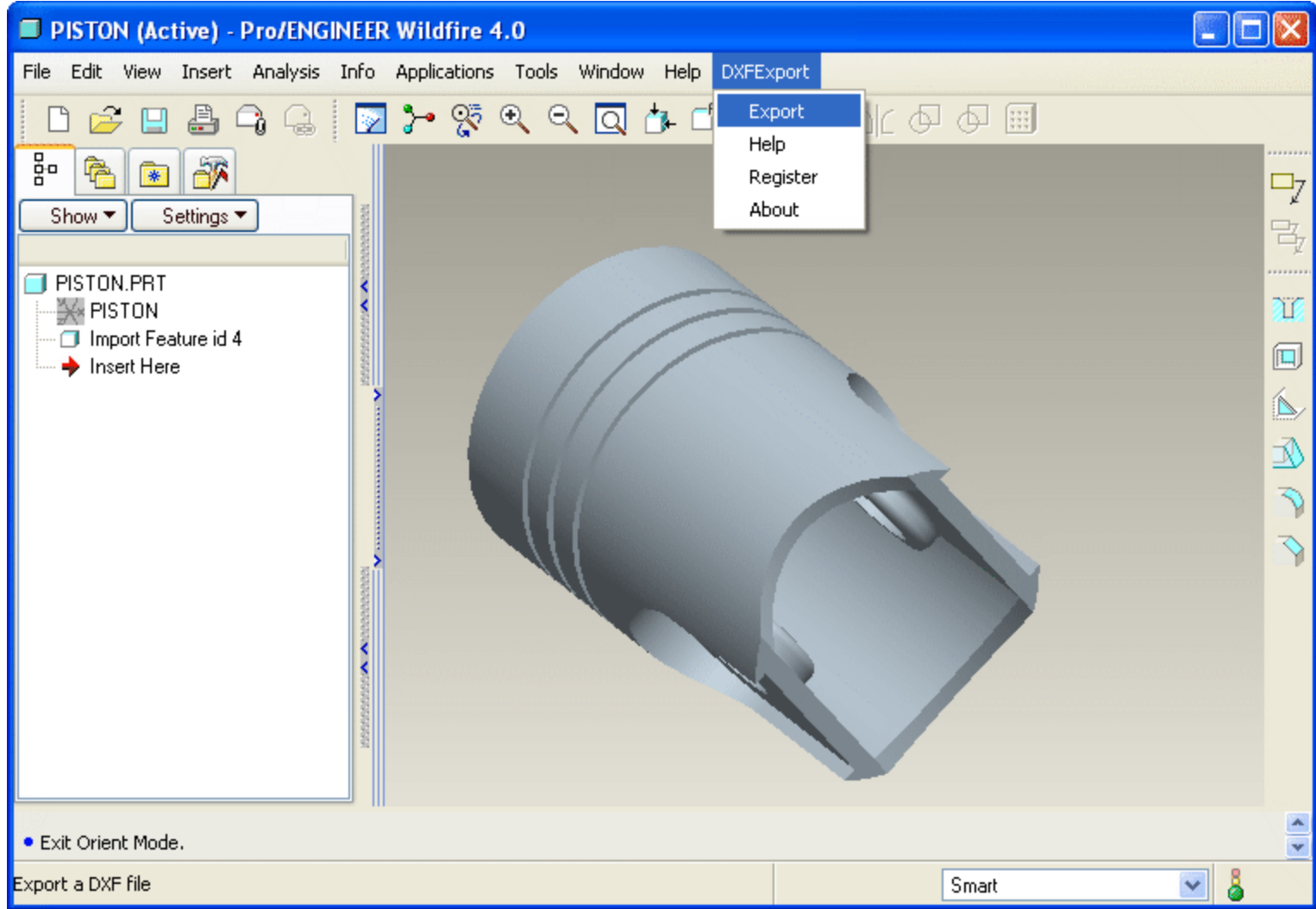
C. A.O / C.A.D: Le logiciel SOLID EDGE



Exemple de logiciel de CAO/CAD

SOLID EDGE: qui permet de réaliser des dessins en 2D et 3D

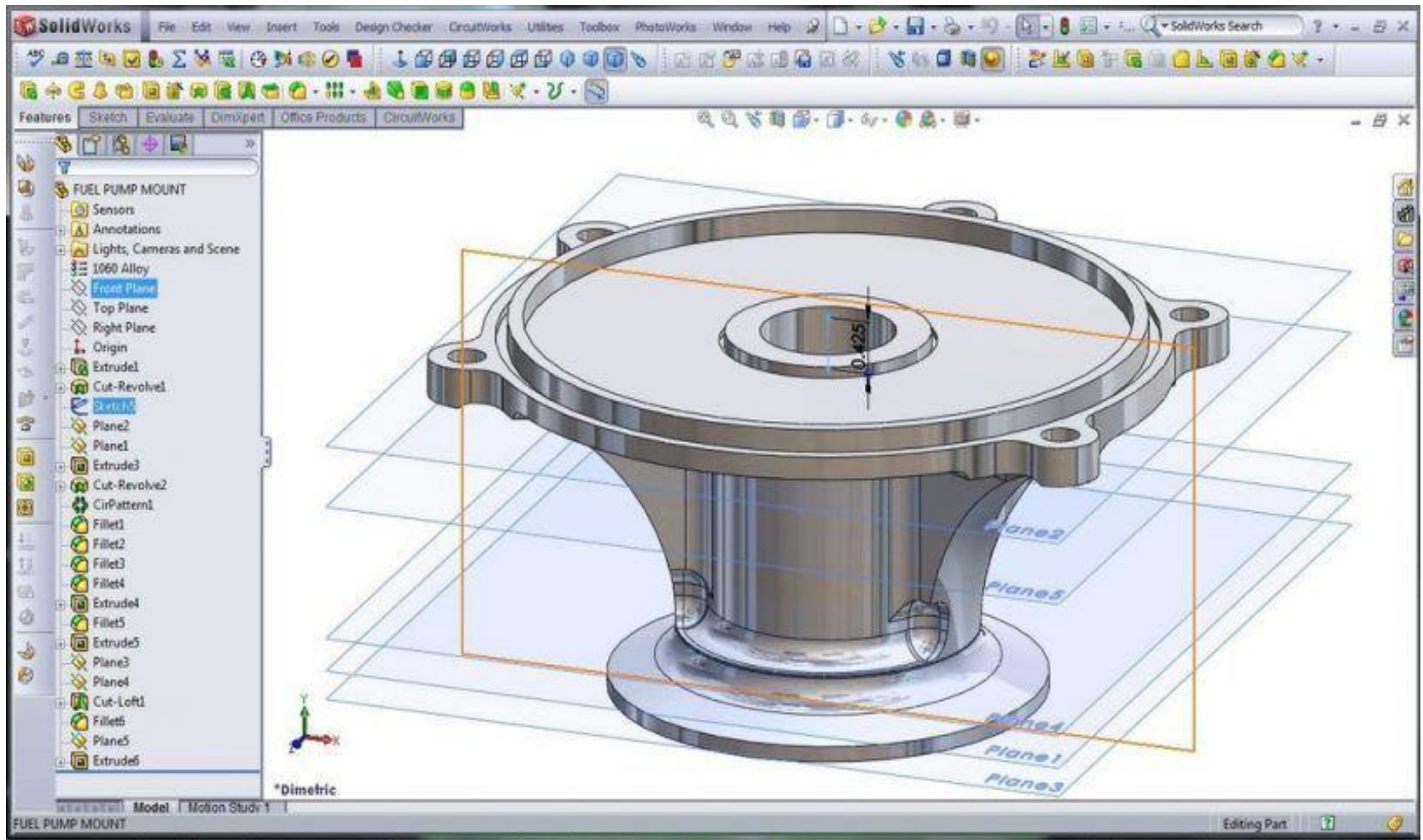
C. A.O / C.A.D: Le logiciel Pro engineering



Exemple de logiciel de CAO/CAD

Pro engineering : qui permet de réaliser des dessins en 2D et 3D

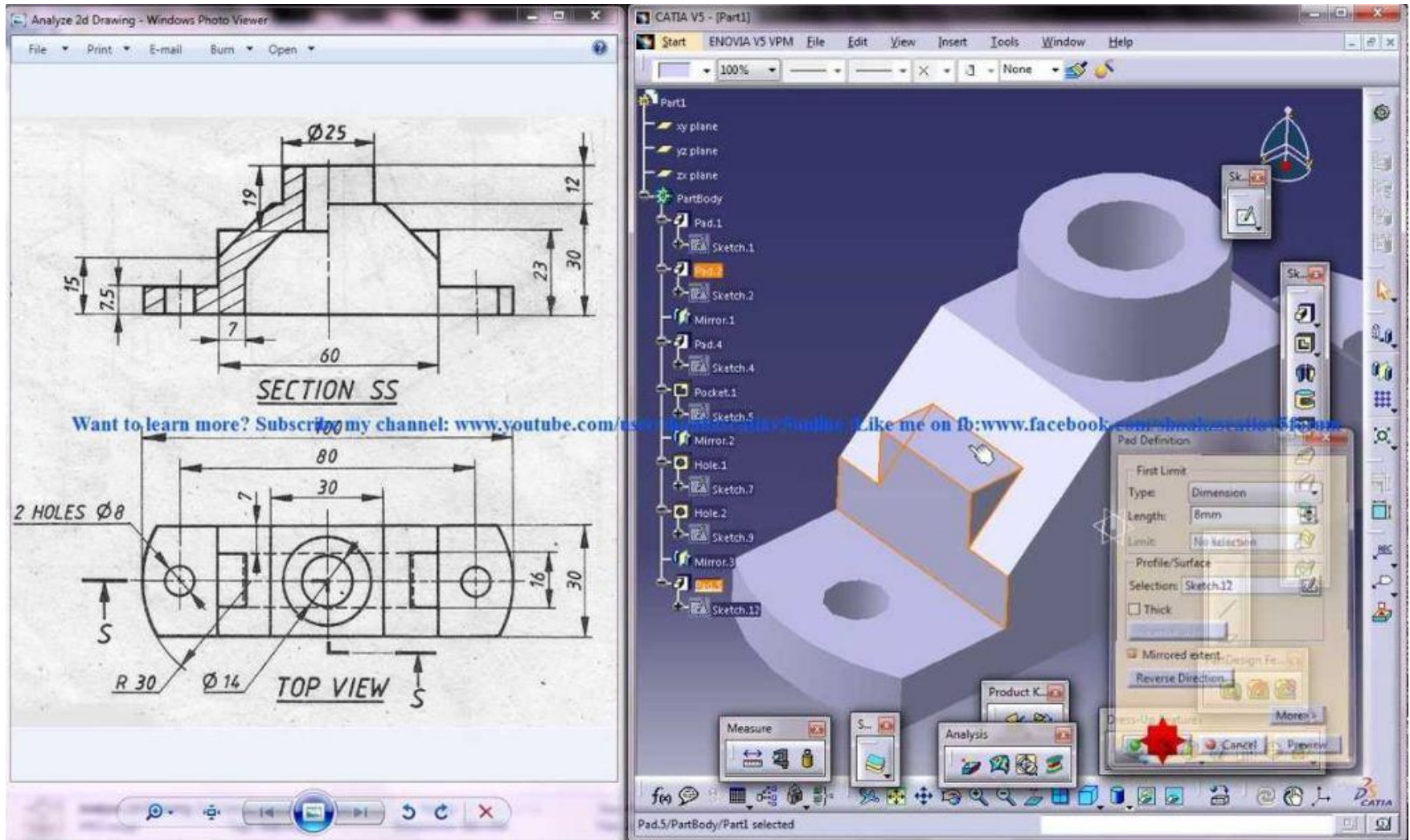
C. A. O / C.A.D: Le logiciel SOLIDWORKS



Exemple de logiciel de CAO/CAD

SOLIDWORKS: qui permet de réaliser des dessins en 2D et 3D

C.A.O / C.A.D: Le logiciel CATIA



Exemple de logiciel de CAO/CAD

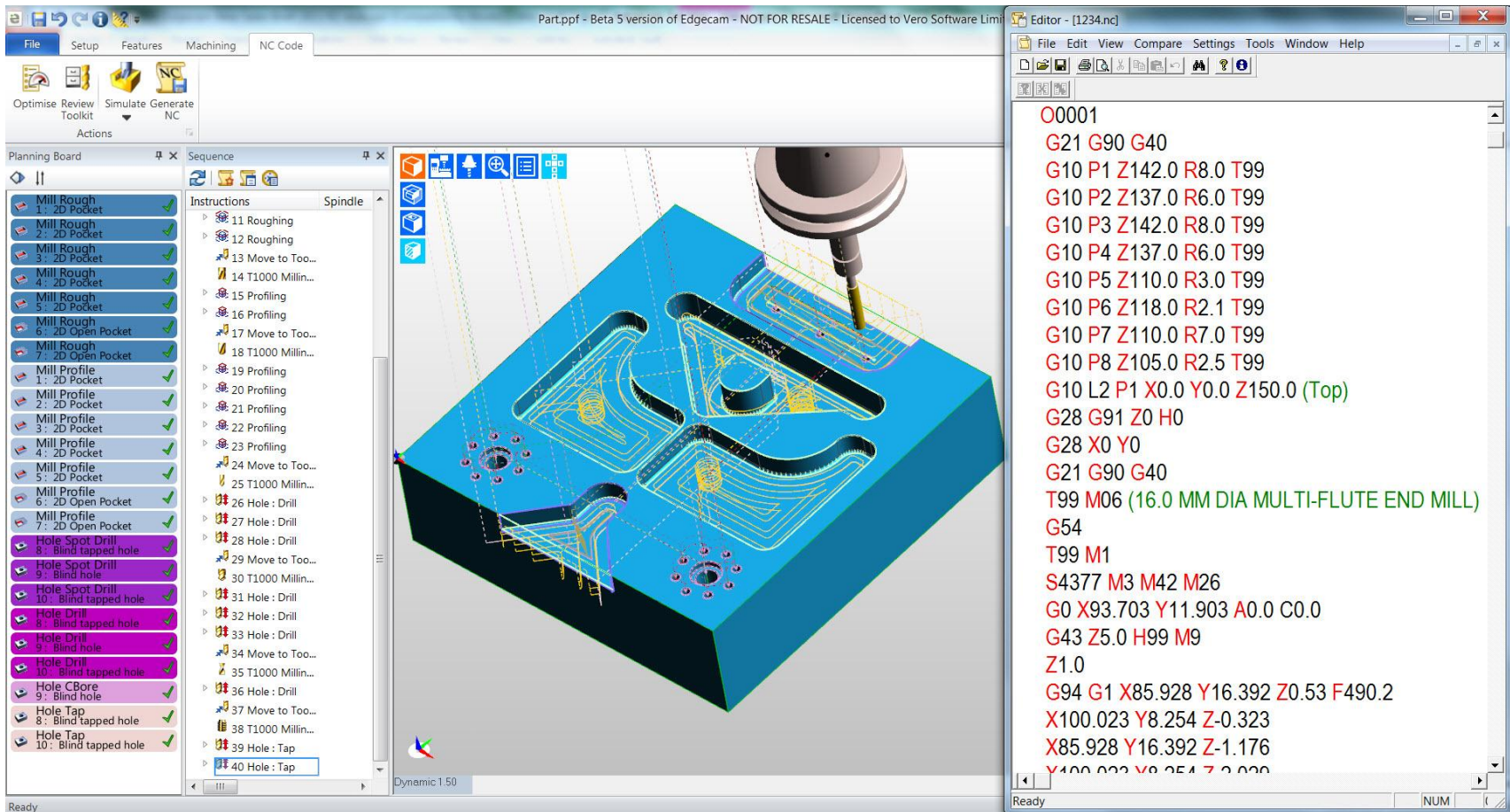
CATIA: qui permet de réaliser des dessins en 2D et 3D

F. A.O / C.A.M

Fabrication Assistées par Ordinateur Computer Aided Manufacturing



F. A.O / C.A.M: Le logiciel Edg CAM



The screenshot displays the Edg CAM software interface. The main window shows a 3D model of a blue part with a CNC tool positioned above it. The interface includes a menu bar (File, Setup, Features, Machining, NC Code), a toolbar, and a Planning Board on the left. The Planning Board lists various operations such as Mill Rough, Mill Profile, Hole Spot Drill, and Hole Tap. The central window shows the 3D model with a yellow tool path overlaid. The right window displays the G-code editor with the following code:

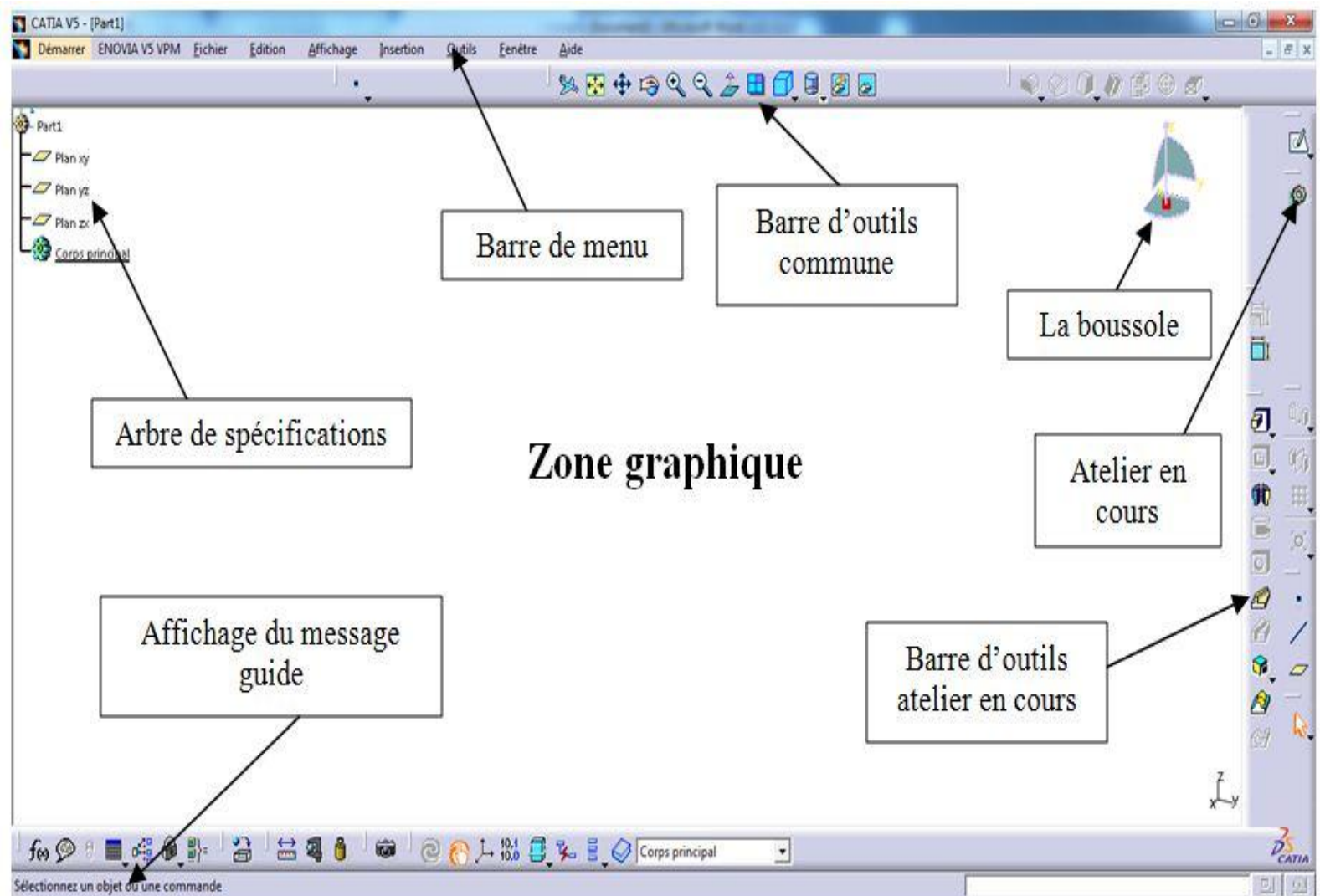
```
O0001
G21 G90 G40
G10 P1 Z142.0 R8.0 T99
G10 P2 Z137.0 R6.0 T99
G10 P3 Z142.0 R8.0 T99
G10 P4 Z137.0 R6.0 T99
G10 P5 Z110.0 R3.0 T99
G10 P6 Z118.0 R2.1 T99
G10 P7 Z110.0 R7.0 T99
G10 P8 Z105.0 R2.5 T99
G10 L2 P1 X0.0 Y0.0 Z150.0 (Top)
G28 G91 Z0 H0
G28 X0 Y0
G21 G90 G40
T99 M06 (16.0 MM DIA MULTI-FLUTE END MILL)
G54
T99 M1
S4377 M3 M42 M26
G0 X93.703 Y11.903 A0.0 C0.0
G43 Z5.0 H99 M9
Z1.0
G94 G1 X85.928 Y16.392 Z0.53 F490.2
X100.023 Y8.254 Z-0.323
X85.928 Y16.392 Z-1.176
Y100.023 X8.254 Z 0.000
```

Exemple de logiciel de FAO/CAM

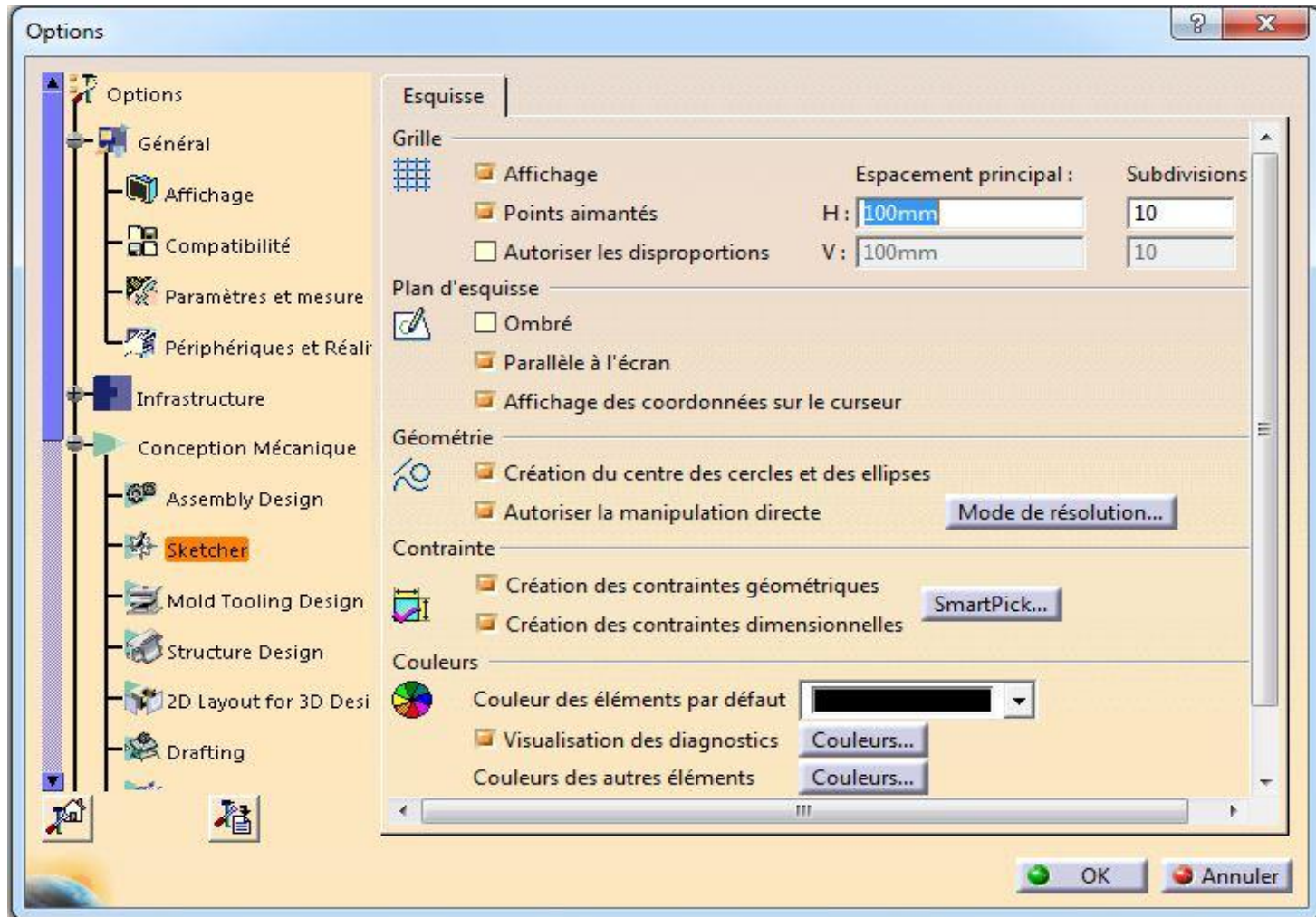
Edg CAM: qui permet de réaliser des dessins en 2D et 3D

CATIA: (Computer Aided Three dimensional Interactive Application

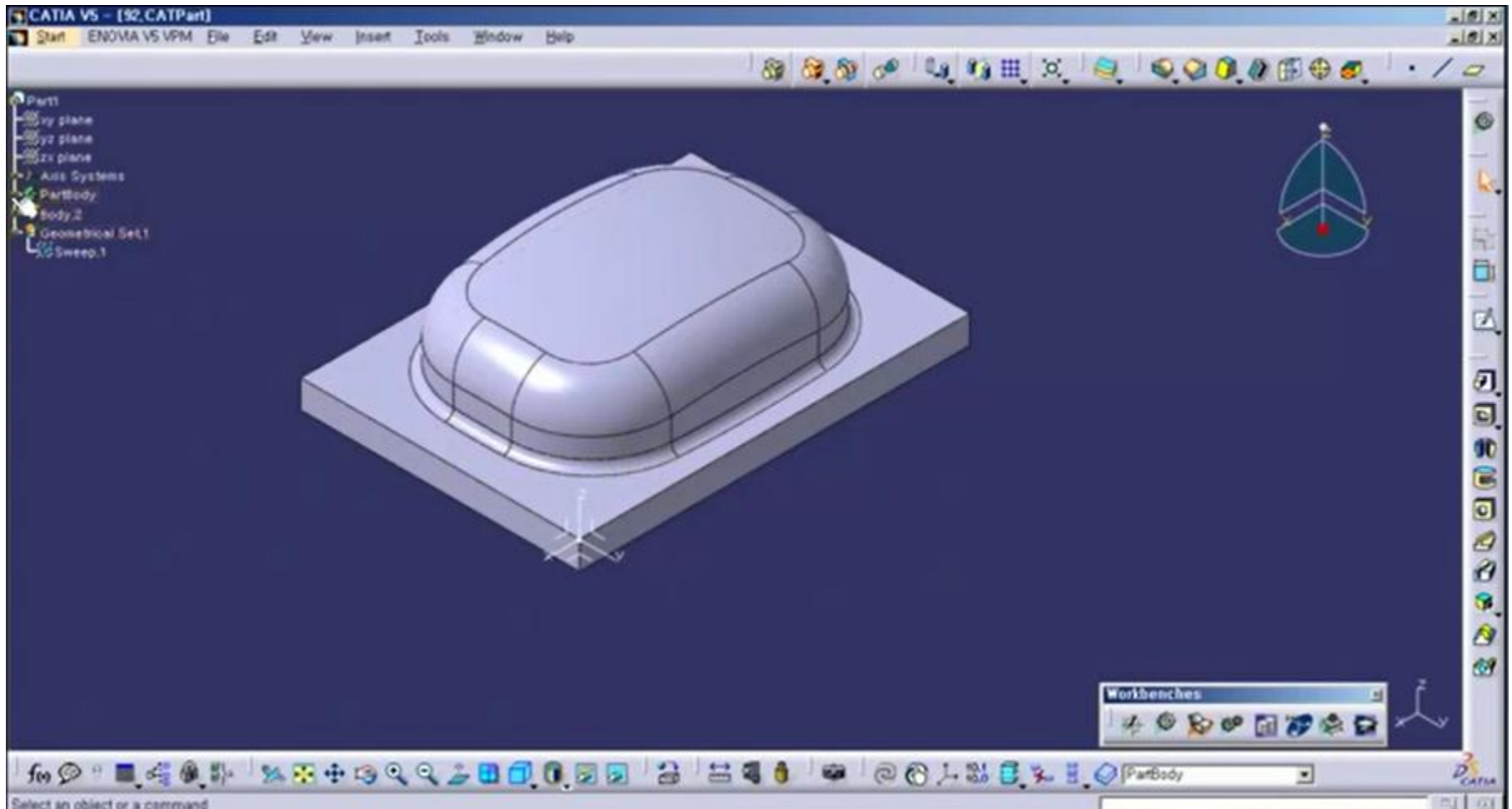
Sa traduction en français, signifie (Application interactive en 3 dimensions assistées par ordinateur).



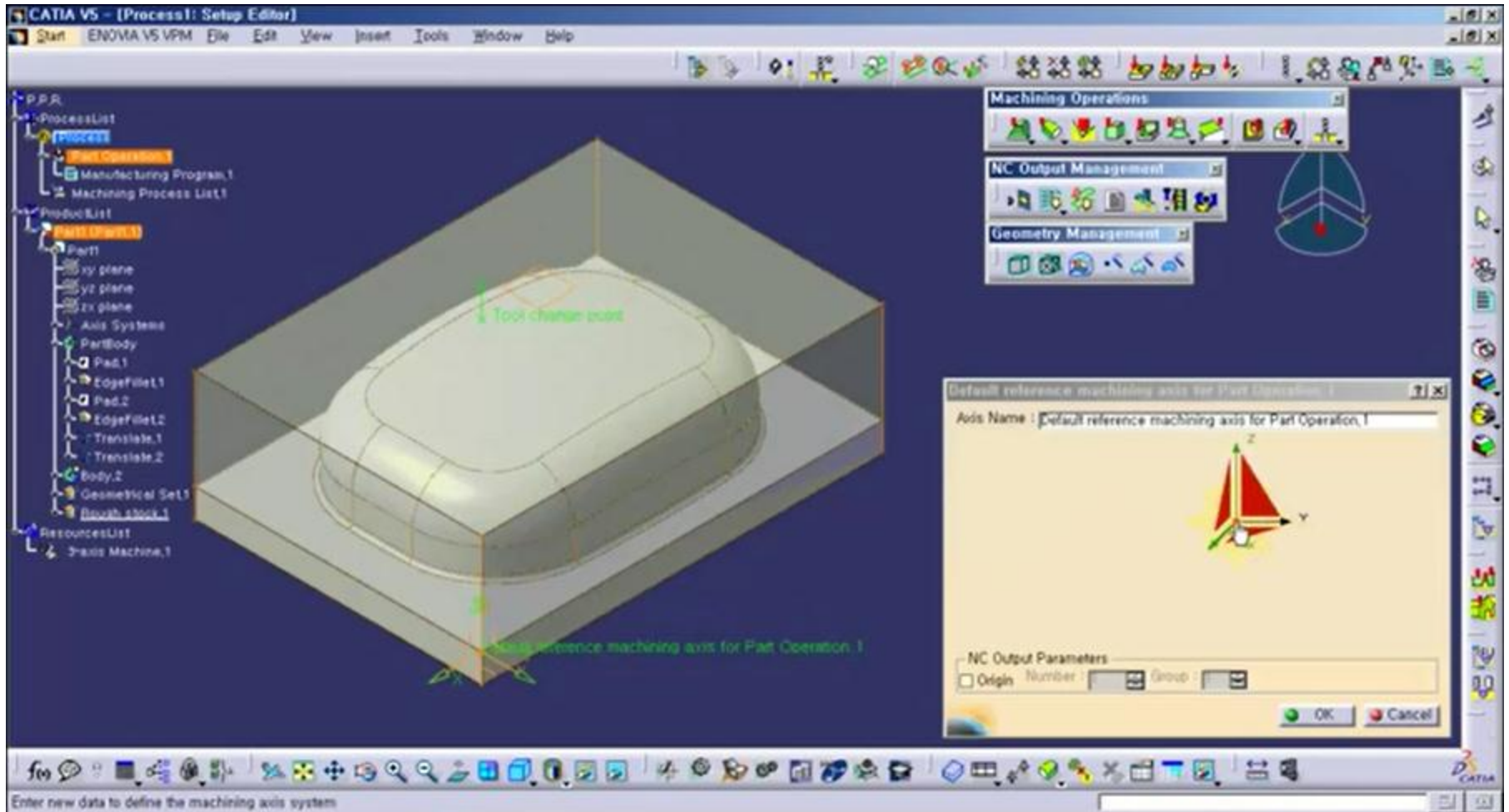
Réglage des paramètres



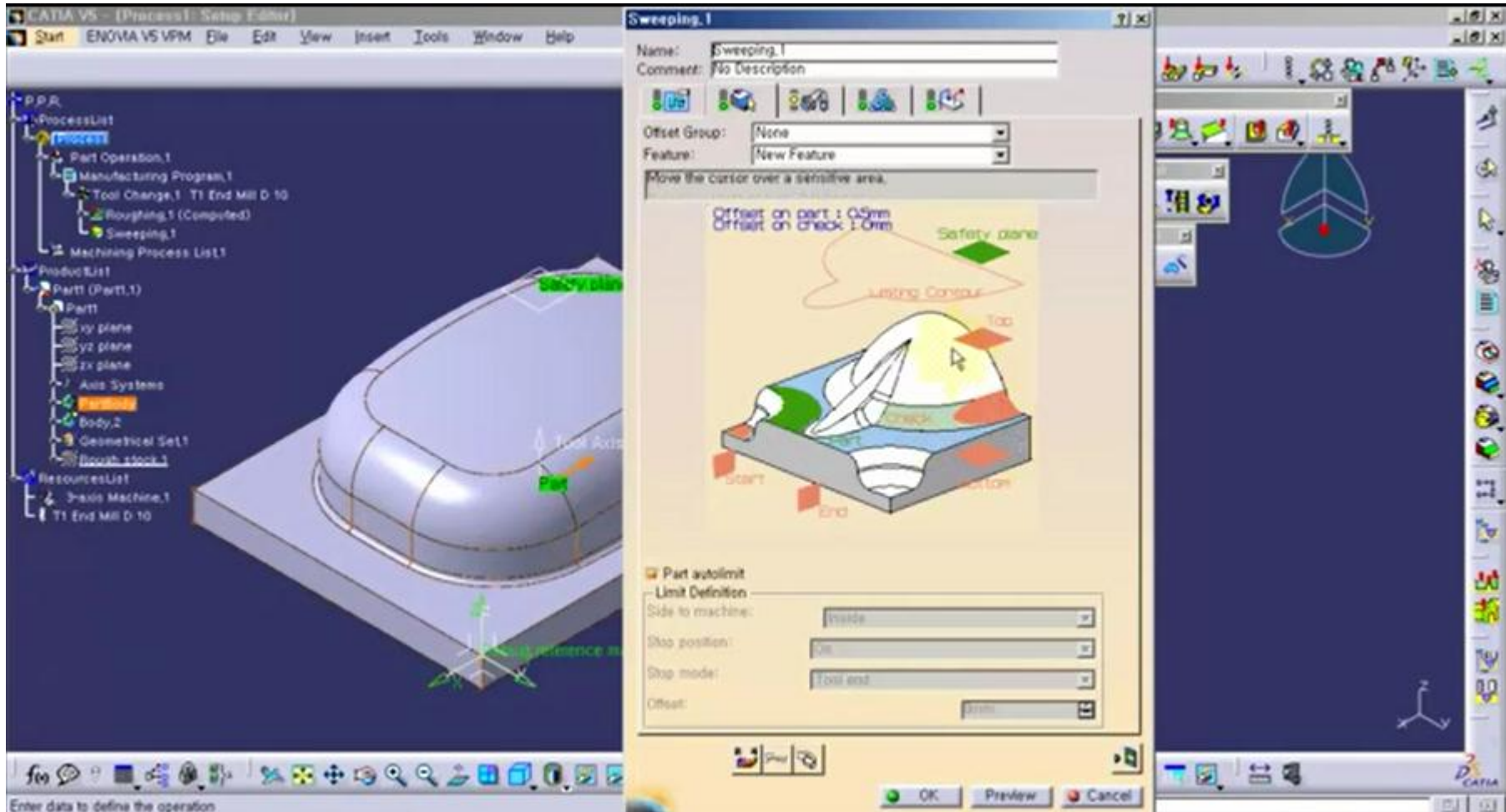
Réalisation du modèle 3D



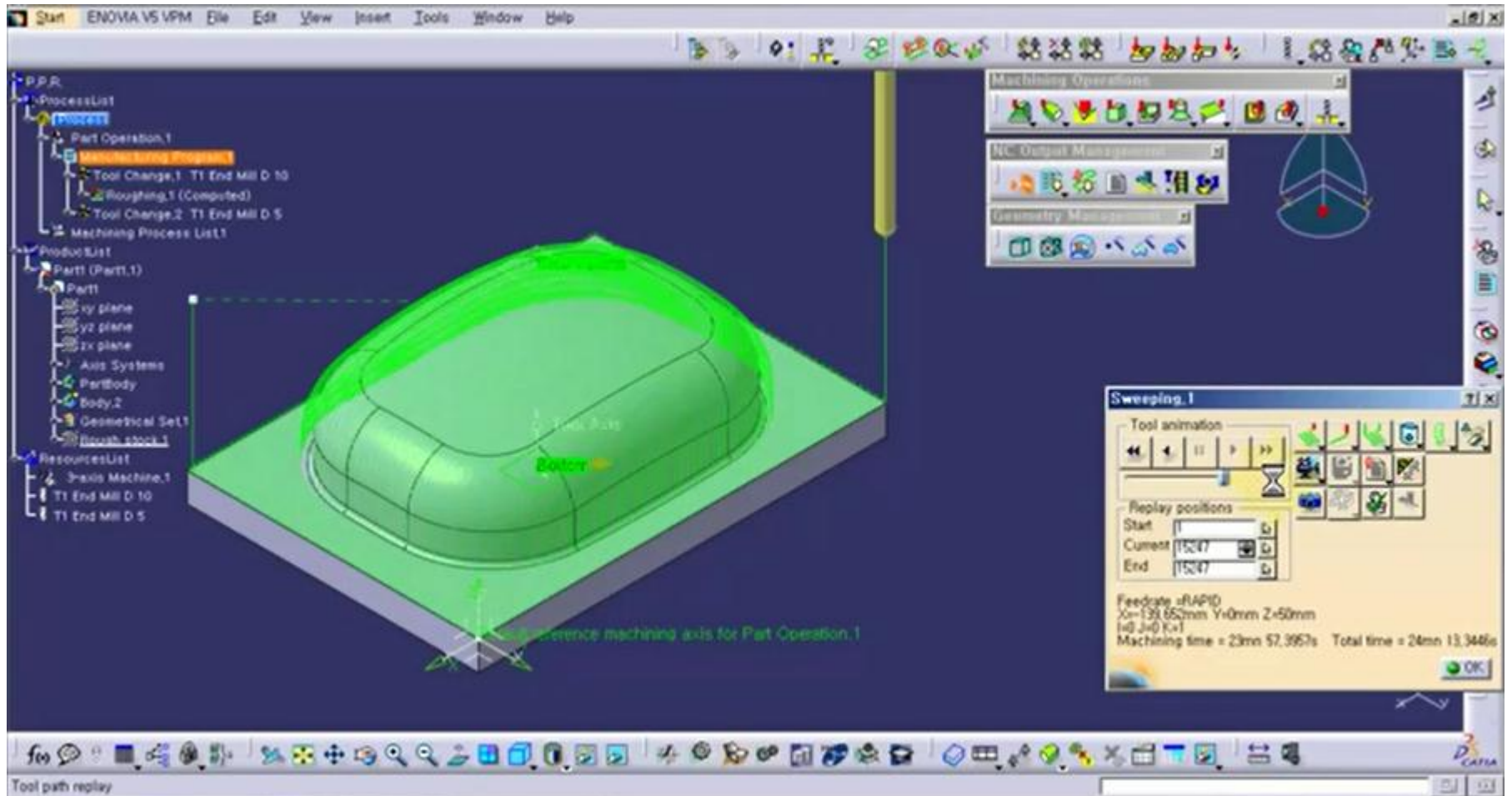
Interface CATIA



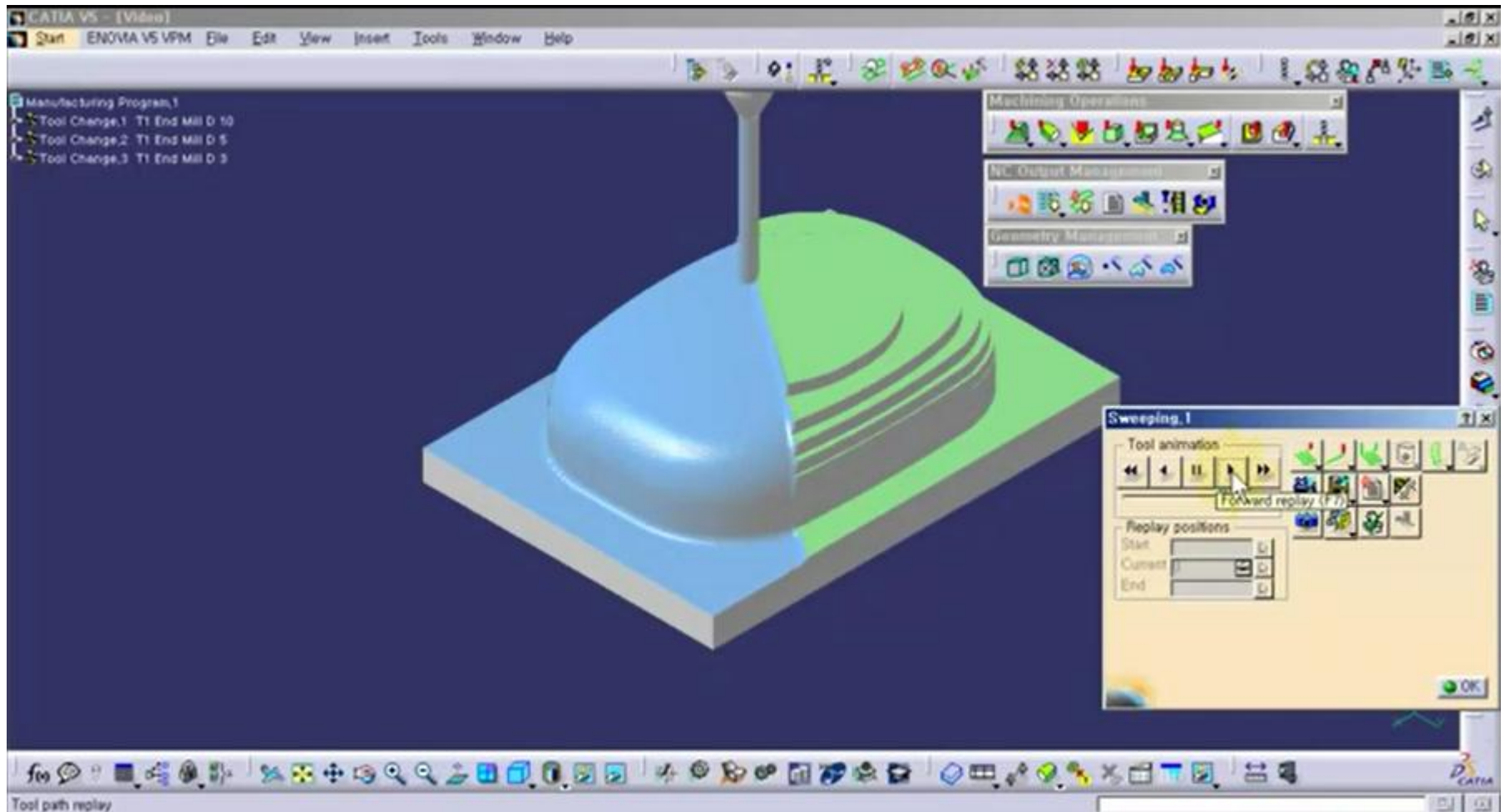
Paramétrés la géométries de la pièce



Simulation d'usinage



Simulation d'usinage



Génération du G-code

