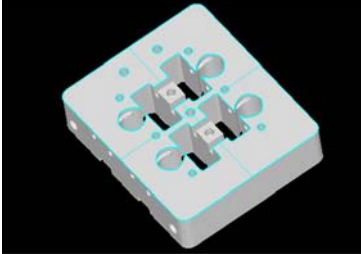




Computer Aided Manufacturing Software

CS IGES3DCUT

Solid IGES 3D format

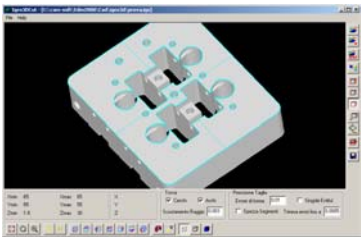


IGES3DCUT is an application oriented to generate cuts, parallel to the Reference face, of a solid. The action is applied directly on the **IGES3D** files. The cutting results are correct two-dimensional profiles, these can be directly used to serve Machining Centers and EDM Wire.

IGES3DCUT is **WINDOWS**® native and joins to the high performances the friendly use of Dialog Box and Icons.

The interpretation of more common CAD formats like MI, DXF, IGES enables the quick bridge from the 3D mechanical drawing to the 2.5D CNC File for machining.

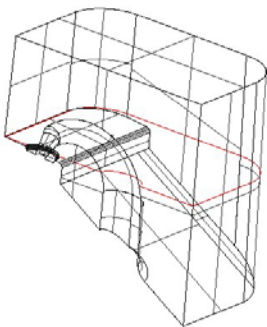
Developing platform - Windows



The geometric window displays the loaded files and enables the commands to modify and optimize the drawing using the following :

- ◇ POSITIONING OF THE ZERO WORKING (ALSO FOR A LOT OF PARTS SIMULTANEOUSLY LOADED, IN THIS CASE THE "ZERO" BECOMES COMMON).
- ◇ SOLID ORIENTATION CHANGE - ROTATION OF THE SOLID IN RESPECT TO THE AXES OF THE BASE REFERENCE FACES.
- ◇ INFORMATIONS ABOUT FACES, EDGES AND VERTEX ARE VISUALIZED.
- ◇ CAPABILITY TO OVERPOSE THE 2D DXF DRAWING ON THE SOLID 3D MODEL, FOR A SIMPLY GRAFIC VERIFICATION.
- ◇ CUSTOMIZING OF TOLERANCE PARAMETERS FOR THE AUTOMATIC TRANSFORMATION OF SPLINES IN TANGENT CIRCLES ARCS.
- ◇ AUTOMATIC TRIMMING OF THE SOLID SURFACES AND CLEANING OF OF THE 2D PROFILE IN ORDER TO GENERATE A CORRECT CNC FILE.
- ◇ QUICK CUT EXECUTION AND CAPABILITY TO SAVE THE OBTAINED FILE IN DXF, MI FORMAT OR DIRECTLY IN THE OWNER FORMAT OF **EDM2000**.

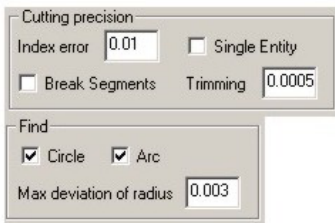
Cut (red line)



The active window visualizes the solid to be manipulated, the following usual commands can be used :

- ◇ WINDOW ENLARGEMENT AND OPTIMIZATION.
- ◇ SELECTION OF THE ASSONOMETRIC VIEW AND ORTOGONAL PROJECTIONS.
- ◇ DYNAMIC ROTATION USING THE MOUSE.
- ◇ ENABLING AND DISABLING THE VISUALIZATION OF THE ELEMENTARY ENTITIES OF THE SOLID (FACES, EDGES AND VERTEX)

Automatic Trimming, also arcs and circles are recognized



Benefits :

- Quick positioning of the solid in the correct cutting position.
- Capability to represent the solid **shaded** or **wire frame**, with or without hidden lines.
- Complete graphic handling for visual inspection.
- Fiew parameters can be configured to handle the shape allowance, the surfaces trimming and the conversion of the splines in geometrical elements useful for the CN.
- Maximum correctness of the 2D files in order to obtain a reliable recognizing of the profiles to work.
- Capability to submit to the CAM operator all the cutting operations on the solid without the use of a solid modeller.

IGES3DCUT can be integrate with **EDM2000**, the CAM-SOFT package for the complete serve of EDM wire.





Computer Aided Manufacturing Software



CAM SOFT puts at disposal of its Customers its solid experience in the solutions of problems in PCs connection, PC with machining tools connection, managing and multiple transmission of CNC Files to machining tools.



Since 1982 **CAM-SOFT** designs and realizes LAN Network and systems engineering, supplementing its products and services with **Hewlett-Packard™** hardware.

Windows® is a Microsoft registered trademark

Our Company

CAM-SOFT has been working to realize technical informatic system since 1982, with the support of Hewlett-Packard hardware and software.

CAM-SOFT offers a solid experience in N.C. for the solution of hardware and software problems in the CAD/CAM area.

- ⇒ Organizational and technical advice
- ⇒ System supply
- ⇒ Customized software
- ⇒ Services

Services

A comprehensive range of support services are available both for design (CAD) and manufacturing (CAM).

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 - ⇒ Customer training
 - ⇒ Software update
 - ⇒ On-site and phone support
- Customized support

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