

Integrated Programming Solution for wire EDM machines

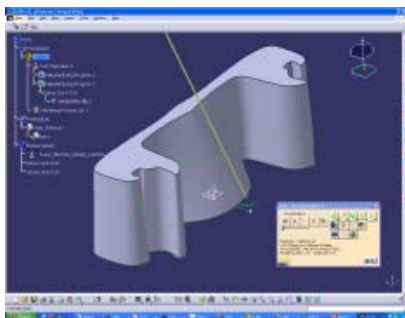
CENIT AG Systemhaus

Through its exceptionally easy-to-use state of the art user interface, CATIA Version 5 delivers innovative technologies, for maximum productivity and creativity from product definition through to product in service. It helps to leverage the benefits of e-business to increase your competitiveness and responsiveness to your customers and to improve your time to market.

CENIT is a premier service provider for CATIA and DELMIA Solutions with wide experience in manufacturing for all kinds of industries. Various Cenit manufacturing solutions, tailored for a dedicated application and based on DELMIA and CATIA are receiving wide acclaim for their intelligence and ease of use.

Years of cooperation with leading Wire EDM-manufacturers and the tooling industry paved the way for a customer-driven tool that covers the entire CAD/CAM process chain for all Wire EDM applications, thus bringing added value to our customers due to its flexibility and functionality.

CATIA V5 and CUT4AXES run with the icon-oriented Microsoft Windows 2000, Windows NT as well as UNIX workstations. The familiar interface, drag & drop simplicity and the integrated help system deliver superior ease-of-use.



CUT4AXES's integration into the CATIA V5 PPR-Model (Product Process Resource) as well as the integration into CATIA's manufacturing infrastructure guarantee full associativity with CATIA Design and a consistent interface throughout all CATIA manufacturing modules.

CUT4AXES supports 2D Sketches for 2D programming, 3D wire frame geometry for upper and lower sections or Solid part geometry.

Powerful Programming Features

- 2-axes contour, with or without taper angle
- 4-axes contour, synchronization with automatic or manual input

- 4-axes surface finish by chordal deviation (machining tolerance)
- Automatic maximum taper travel detection for upper section

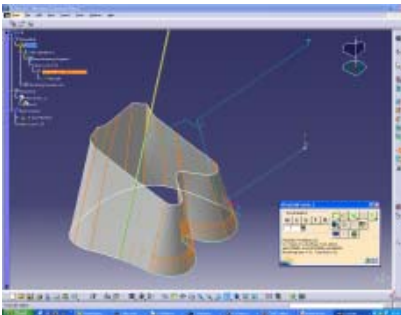


- Full automatic lead-ins, lead-outs and/or overlaps
- Automatic glue stops
- No-core cuts for maximum unattended utilization of your wire EDM machine



Programming Features

The sequence of roughing, finishing cuts and glue-stop or tab cut-off passes can be selected to allow alternate strategies to be applied, thus enabling automatic switching between different machining strategies. (e.g. die, punch, open profiles, night or day-time,...)



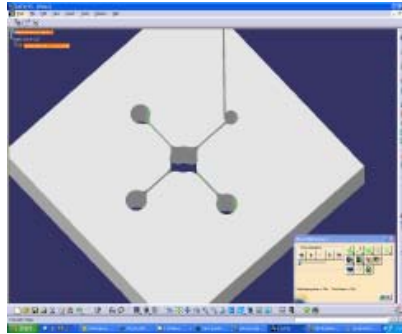
Knowledge based machining can be accomplished through the VisualBasic interface provided with CATIA. EDM technology data, machining operations and tooling information can be defined and stored for reuse.

Machines Supported



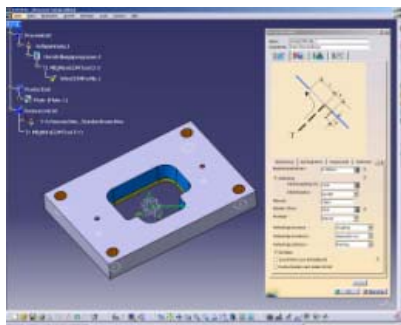
An extensive set of post processors for all common Wire EDM machines such as AGIE, Charmillis, Fanuc, Mitsubishi, Sodick is included with CUT4AXES. Machine specific control panels allow further customization of shop floor proven post processors. Special functions for COMMAND file output for CHARMILLES, JOB file output for AGIE HSS Series and Script File output for AGIEVISION are available.

The complete part program can be simulated using the integrated solid-model wire path verification module.



Infrastructure

- Intuitive User Interface
- Parameter-sensitive Online help provides immediate desired information
- Drag & Drop technology
- NLS: English, German, French
- Customizable "Workbenches"
- Import and export data from any CAD system through DXF, IGES, VDA or STEP converters
- Available for PC/Windows as well as for various UNIX derivatives on IBM, SUN, SGI and HP workstations
- All future CATIA V5 releases will be supported



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CUT wire-EDM
4AXES

based on

3D
CATIA