



## EDM ELECTRODES

**FASTELECTRODE** is a completely integrated **CATIA V5** solution to automate the design, the 2D documentation and the NC programming of electrodes to be used in EDM sinking processes. Due to a seamless integration into the leading Product Lifecycle Management (PLM) solution **CATIA V5**, a significant gap in the mold and tooling design process has been closed.

### ► PRODUCT FEATURES

- Setup of electrode assembly configuration in combination with the mold insert. Ensuring a consistent product tree (BOM)
- Mold geometry data can be both surface or solid based; native CATIA or via external interface systems
- Easy extraction of electrode faces from the mold geometry
- Integrated operations to extend and complete the cavity geometry
- Electrodes generated in surface or solid geometry
- Stock material profiles, reference frame and electrode holder can be selected from default catalogues. Catalogues can be modified using standard CATIA V5 functionality
- User specific catalogues can be added
- User defined technological parameters can be added
- For multiple use of the electrodes instance copies can be generated
- Extract of 2D documentation of electrode parts and assembly in the formats CATDrawing, MS-Excel, xml and txt
- The 2D documentation exports several product views and all the technological parameters based on template documents. A set of sample templates is delivered with the software
- Automated NC programming of electrodes

### ► BENEFITS

- Explicit user interface to prepare complex electrode geometry with a minimum of interactions
- Full integration of CAD functions for optimal 3D geometry extraction
- Complete parameterisation of the electrode: all entries can be modified at any time
- Full process integration and transparent data flow up to NC machining and shop floor connection
- Company standards can easily be integrated in the template documents for 2Ddocumentation and NCprogramming
- Time savings for engineering the electrodes and enabling concurrent engineering through fast response to mold geometry changes

**fast**<sup>®</sup>ELECTRODE  
TOOLING



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