



## 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



# CENIT LOCATIONS: ADRESSES & CONTACT

## GERMANY

### CENIT Stuttgart

Industriestraße 52-54  
D-70565 Stuttgart  
Tel.: +49 711 7825-30  
Fax: +49 711 7825-4000  
E-Mail: [info@cenit.de](mailto:info@cenit.de)  
Web: [www.cenit.de](http://www.cenit.de)

### CENIT Berlin

Eichenstraße 3b  
D-12435 Berlin  
Tel.: +49 30 884580-0  
Fax: +49 30 884580-99

### CENIT Düsseldorf

Max-Planck-Str. 17  
D-40699 Erkrath (Unterfeldhaus)  
Tel.: +49 211 530652-0  
Fax: +49 211 530652-99

### CENIT Frankfurt

Lyoner Straße 20  
D-60528 Frankfurt  
Tel.: +49 69 668018-0  
Fax: +49 69 668018-8

### CENIT Hamburg

Heidenkampsweg 51  
D-20097 Hamburg  
Tel.: +49 40 2533466-0  
Fax: +49 40 2533466-88

### CENIT Hannover

Großer Kolonnenweg 21  
D-30163 Hannover  
Tel.: +49 511 54275-0  
Fax: +49 511 54275-88

### CENIT München

Paul-Gerhardt-Allee 50a  
D-81245 München  
Tel.: +49 89 829209-0  
Fax: +49 89 829209-99

### CENIT Oelsnitz

Kurt-Mauersbergerstr. 9  
D-09376 Oelsnitz  
Tel.: +49 37298 3039-0  
Fax: +49 37298 3039-30

### CENIT Saarbrücken

Innovationsring 9  
IT Park Saarland G1  
D-66115 Saarbrücken  
Tel.: +49 681 76190-0  
Fax: +49 681 76190-99

## SWITZERLAND

### CENIT (Schweiz) AG

Hungerbühlstrasse 22  
CH-8500 Frauenfeld  
Tel.: +41 52 7247777  
Fax: +41 52 7247778  
E-Mail: [info@cenit-ag.ch](mailto:info@cenit-ag.ch)  
Web: [www.cenit.de](http://www.cenit.de)

## ROMANIA

### S.C. CENIT S.R.L.

Str. Calea Chisinaului  
Nr. 104-106 bis, Iasi  
Tel.: +40 332 430574  
Fax: +40 332 430572  
Web: [www.cenit.ro](http://www.cenit.ro)

## USA

### CENIT North America Inc.

691 N Squirrel Rd, Suite 275  
Auburn Hills, MI 48326  
USA  
Tel.: +1 248 276-8540  
E-Mail: [info@cenit.us](mailto:info@cenit.us)  
Web: [www.cenit.us](http://www.cenit.us)

## FRANCE

### CENIT France

15 Chemin de la Crabe  
FR-31300 Toulouse  
Tel.: +33 567310220  
Fax: +33 561158805  
Web: [www.cenit.fr](http://www.cenit.fr)

