

SmartElectrode™ for Creo (Pro/Engineer)

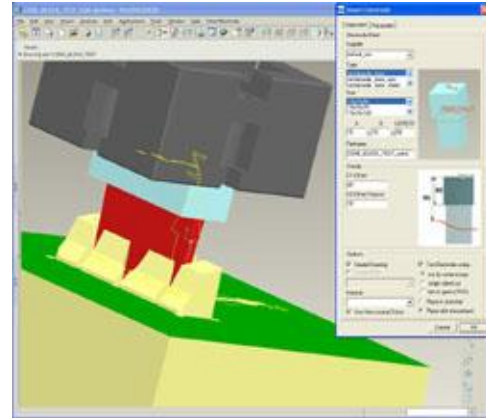
Radical productivity improvement for your Creo implementation

What is SmartElectrode?

SmartElectrode is software developed for Creo that automates all aspects of extraction, design, management, documentation and manufacturing of EDM electrode. Through its GUI-driven process, SmartElectrode guides the user through the electrode design and production process. The user simply deals with the electrode design; the burn setup sheets, the electrode drawings and machining files are all created automatically.

Key Features

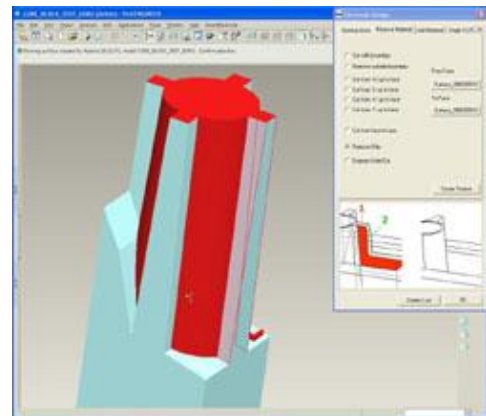
- Automatic electrode extraction
- Automated initial electrode placement based on selected burn feature geometry
- Exact placement and orientation of electrode
- Standard catalogs of electrode blanks and holders - fully customizable and extendable
- Single and multi-extract electrode assemblies
- Specialized modeling features to quickly cleanup the extracted geometry
- Full control of burn surface extensions through and easy to use GUI
- Multi-placement of the same electrode
- Automatic generation of burn setup sheets and electrode drawings
- Automatic creation of Pro/NC machining files
- Graphical display of burn areas where electrode are already designed
- Automatic naming of all deliverables based on user-defined convention
- Burn area analysis



Specialized GUI creates electrode and holders quickly and easily

How It Works

- Choose a holder and electrode blank from the available library (user extendable)
- Graphically position, orient and fine-tune the electrode placement. The extraction is done automatically
- Detail-design the electrode using the GUI to tweak the burn areas and neighboring areas.
- Setup sheets, electrode drawings and manufacturing files are created automatically.



Electrode detail GUI offers flexibility for handling different geometric conditions

Key Benefits

- Significant savings over the use of Creo alone
- Consistent quality – all electrode creation follows the same process and feature map
- Organizes multi-electrode jobs – eliminates electrode setup problems
- Precise control of extension surface details gives excellent EDM surface quality
- Immediate burn set-up sheets and electrode drawings
- Automation and organization of the process minimizes costly mistakes
- Eliminate repetitive tasks such as creating electrode drawings, setup tables, etc.
- Automatic machining setup with Pro/NC practically eliminates NC programming lead-time
- Easy to learn logical process with a dynamic and easy to use interface offering unrivalled flexibility

For more info contact SIGMAXIM, Inc. at: info@sigmaxim.com or toll free at 877-SIGMAXIM, or visit us on the web at www.sigmaxim.com.



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