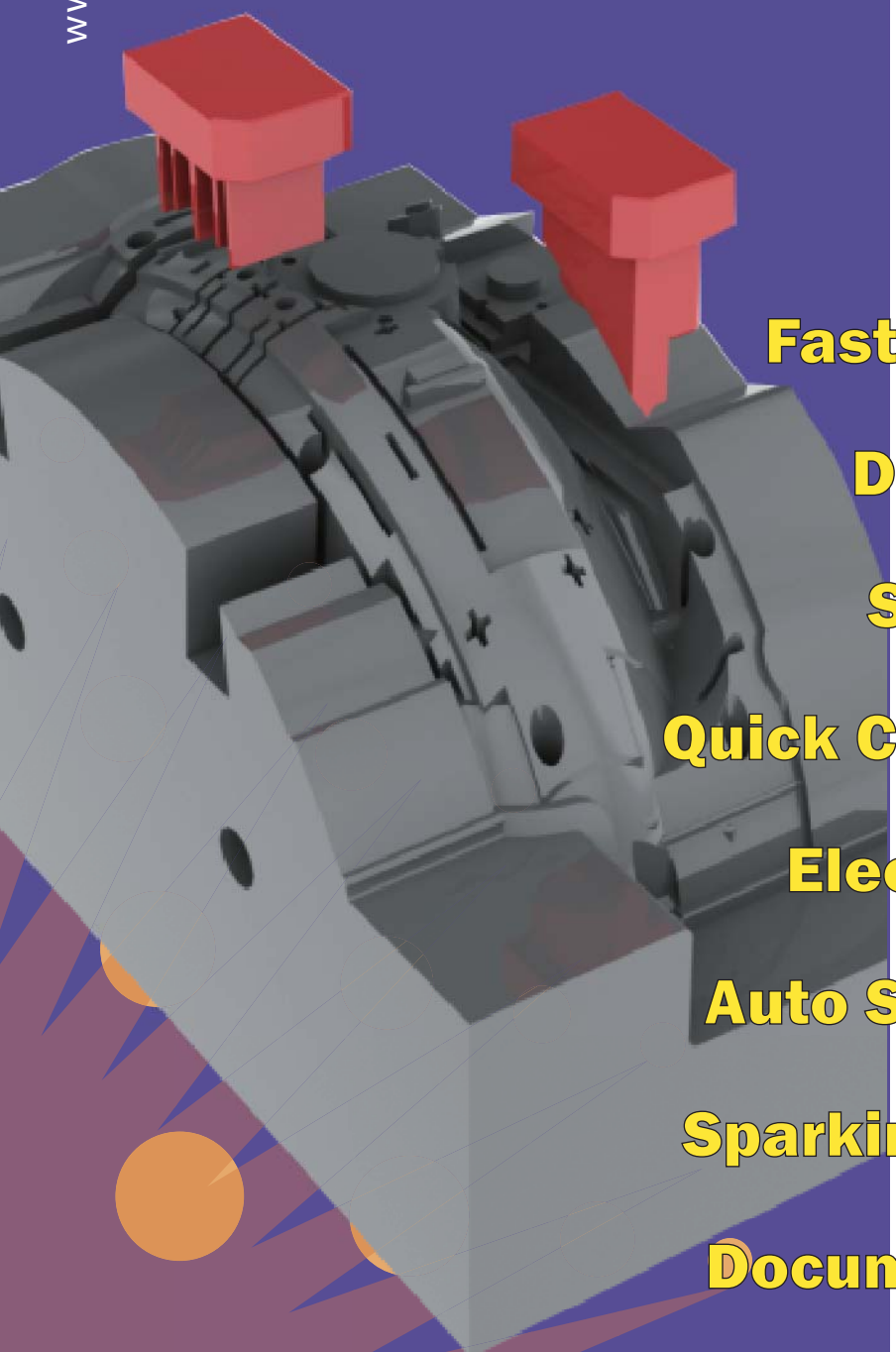
www.3dquicktools.com



QUICK EDM

New Features

Best Practice +

Smart Tools +

Fast Electrode Design +

Design Automation +

Standard Libraries +

Quick Coordinate System +

Electrode Annotation +

Auto Sketch Generation +

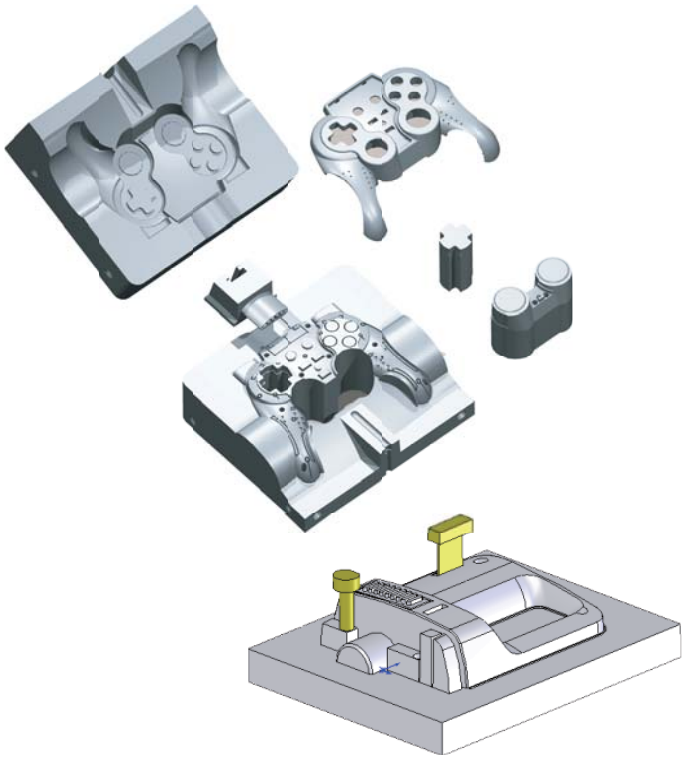
Sparking Gap Inspection +

Document Management +

32/64-bits Win 7 & XP =

ELECTRODE DESIGN

by 3D QuickTools



3DQuickEDM

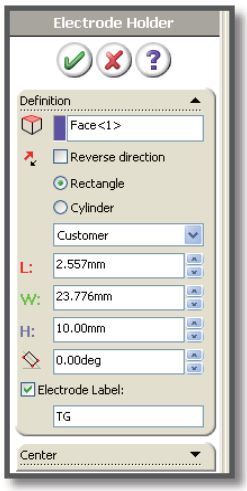
3DQuickEDM is running on the poweful SolidWorks CAD platform for designing electrodes. It reduces a lot of steps in traditional electrode design. Without missing any detaied design steps, the overall electrode design work can be completed quickly for workshop EDM machinnig requirement. The key benefit of 3DQuickEDM helps user to reduce their most demanding workload, i.e. production document management. It includes document handling, drawing & detailing, interference checking, minor design modification, etc. A set of intelligent functions guide user to select the right location for electrode, automatically search and match with electrode base against the standard fixture, automatic rounding coordindates, auto-matically offset electrode clearance, and auto generate electrode BOM, etc.

TRADE PRACTICE

Steps in electrode design:

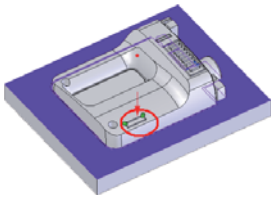
1. Start from front core and cavity
2. Open core and cavity part files
3. Select the EDM region and build the electrode body
4. Choose electrode holder from library
5. Assemble electrodes
6. Output: machining drawing, electrode list, BOM.

3DQuickEDM follows the above design work-flow. With its standard and advanced function set, user can easily start electrode design step by step.



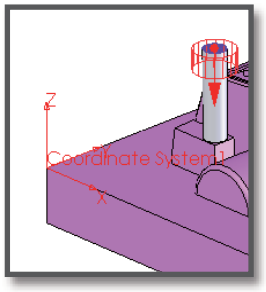
BUILDING ELECTRODE

3DQuickEDM uses point to locate and build electrode body. This minimizes steps and speed up design. Surface extension can be performed by one-click operation.



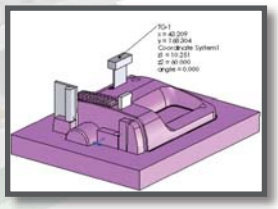
ELECTRODE LIBRARY

Electrode library pre-selects appropriate set of electrode holders for user to choose. Sup-ports manual or auto locating electrode holder position. Auto numbering may follow user's practice and preference.



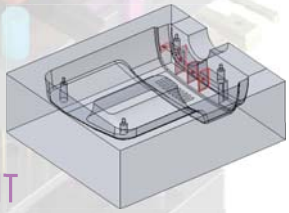
ELECTRODE ANNOTATION

Apart from listing in the BOM, key dimension details like center coordi-nates can also be shown in 3D models.



INTELLIGENT

Smart tools include surface region selection, close loop selection, datum setting tool, sparking gap checking, auto generation of sketch,etc.



FILE MANAGEMENT

3DQucikEDM can auto generate complete assembly of electrodes, file naming, BOM, interference checking. Powerful assembly tools like array and copy enables user to finish the job quickly.

TURN SOLIDWOKRS INTO PROFESSIONAL MOLD DESIGN TOOLS