Wire EDM directly from the 3D CAD model
We know only wire EDM – but we know it inside-out

For more than 20 years, we have focused exclusively on the development of programming systems for wire EDM. This is reason enough to take advantage of this experience! We concentrate on a clearly structured system environment that is also highly flexible, with a scope of functionalities covering all levels of modern CAM programming.

Whether you specialize in die making or aerospace – we offer the right programming solution for any application area in order to optimally utilize your wire EDM machine.

Your choice: CAD integration or stand-alone system

Fully integrated in the user interface of well-known CAD systems, DCAMCUT offers a comprehensive variety of functions for creating wire EDM programs on all 2D and 3D geometries. A harmonious combination of many years of experience in the EDM field and the benefits of leading CAD systems ensures that the options are practically limitless.

The product chain is rounded out by our stand-alone system with a powerful CAD core, offering all users without a specified CAD system an independent workstation to perform any EDM jobs.

Wire EDM on all 2D and 3D models as a stand-alone system or fully integrated in
You manufacture – we have the tools for you
We are not yet able to automatically translate the perfect image in our heads into the corresponding control code of a machine. But until that’s possible, we can offer you a powerful tool for automating programming processes to the greatest possible extent. Standard processes can be created easily and quickly and stored as templates for recurring manufacturing requirements. Thus, yesterday’s programming system becomes today’s toolbox. And its content continuously increases with every completed programming task...

Time is money – DCAMCUT means that you have more of both
Today, companies demand that the efficiency of the individual manufacturing processes be raised continuously. We meet this need with a convenient operator guidance system that checks for potential weaknesses in the current process sequence before the program is run at the machine, and provides clear pointers for optimization. As a result, you avoid unnecessary machine downtimes and gain valuable time for other tasks. You decide what those tasks are.

You get what you deserve – top quality
With DCAMCUT, the program is not only created directly on each CAD model, but above all in harmony with it! All information about the underlying geometry, such as surface synchronization for the wire angularity, is automatically taken into account in the programming. And if model changes should become necessary after the program is created, DCAMCUT responds fully associatively and independently recalculates the corresponding traverse movements.

We’ll check your steps – if you want us to
Are the results okay when you enter unchecked programs in the machine? Well done! Because in this case, you are already using our system and know that DCAMCUT eliminates the use of postprocessors and their associated weaknesses. Our unique NC processor technology checks every one of your programming steps during creation and prior to the output of the actual control code. Modifications are simple to perform thanks to goal-oriented prompts supported by visual highlighting of potentially problematic program sequences, as well as sections on the model and – in parallel – in the NC code. This eliminates the time-intensive search for errors in the NC program and significantly minimizes the manual error rate.

MORE TIME
TOP QUALITY
The essentials always on display: the NC Browser
Do you always want to have an overview in spite of the complexity of the programming tasks, and want to be able to draw your own conclusions about the underlying NC code from the individual program sections? In addition to these benefits, the NC Browser integrated in DCAMCUT offers many more advantages, such as the marking of NC code and the corresponding geometry area in geometry elements that may be eliminated when offsets are created. Take advantage of end-to-end transparency in the NC output. Show your competition how to reduce programming times and systematically avoid repair costs.

More efficient manufacturing – saves valuable resources
DCAMCUT not only reduces your programming times, but will save you money exactly where each error costs significant resources: at the machine! With improved utilization of machine capacities, you also directly reduce the impact on the environment. From a reduced filter requirement for the dielectric thanks to optimized cutting behavior, to a lower wire requirement thanks to path optimization resulting in less wire cutting and re-threading. Efficiency starts with programming at DCAMCUT.

Expansion modules of DCAMCUT stand-alone and DCAMCUT integrated in SolidWorks, thinkdesign and hyperCAD
DCAMCUT BASIC+ 2-axes + standard cone + ruled surface machining across two planes
DCAMCUT PRO 2 to 4 axes on sketches, surface models and volume models
DCAMCUT EXPERT 2 to 4 axes, including expansion modules

Current software and system requirements:
www.dcam.de -> Download -> Installation instructions