



Programming System DCAMCUT Solo

DCAMCUT EXPERT

Is an object orientated CAD / CAM System for Wire EDM programming beginning from 2-Axis up to complex 4-Axis NC-Output incl. comprehensive tools to speed up part delivery times in the maximum possible way.

A graphics based and easy to learn user interface is guiding through the complete programming process. A number of direct CAD-Interfaces grants a powerful data exchange with several market leading CAD-Systems.

incl.

CAD-Bundle EDMCAD PA (see specification below)

Additional Options available on request

We recommend to close a software maintenance and subscription contract

DCAMCUT System Requirements

- Up to date Intel or AMD processor with SSE2-Support. 64-Bit-OS recommended
- Microsoft Windows 7 Professional (64 Bit)
- 8 GB Memory (RAM)
- 5 GB Disk Space
- OpenGL video card (e.g. ATI FirePro V4900 with 1 GB or NVidia Quadro 2000, 1 GB)
- Microsoft Internet Explorer 8 or 9
- DVD-Drive or Broadband Internet Connection

DCAM-Machining Module for 2 and 4 Axis incl. additional Options

2D-Contour

- ✓ 2D contour definition based on single lines & arcs, sketches as well as on edges of solids & surfaces

2-Level Contour

- ✓ Ruled surface machining through existing upper and lower instance (sketches)

4-Axis Contour

- ✓ 3D contour definition directly based on solids and surfaces of a CAD-Model

Approximation

- ✓ Converts linked line elements within a user specified tolerance into arcs, circles & lines (optional CAD-Geometry output)

Space Curve

- ✓ Space curve machining for 3D curves

Pocketing

- ✓ 2-Axis pocketing
 - 2-Axis destruction
 - 2-Axis destruction partial
 - 2-Axis destruction with islands
- ✓ 4-Axis pocketing
 - 4-Axis using successive offsets
 - 4-Axis using cylindrical kernel
 - 4-Axis using slug-free subdivisions
 - 4-Axis spiral destruction
 - 4-Axis partial destruction
 - 4-Axis open contours pocketing

Feature Recognition

- ✓ Semi & full automatic feature recognition for all wireable contours & features

Parametric Processing

- ✓ Associativity for existing EDM-Jobs to model changes

Templates

- ✓ Definition of re-usable contour-, job- & program templates

Standard Simulation

- ✓ Standard simulation incl. offset surface calculation & visualization

SolidSimulation

- ✓ SolidSimulation for 3D visualization incl. separation check & removability-analysis

Serial Options

- ✓ Global corner rounding
- ✓ 2-Axis Pocketing
- ✓ Automatic repair mechanisms for CAD geometries
- ✓ Automatically controlled synchronization for 2-Level-Contours
- ✓ Contour transformation incl. EDM-Job
- ✓ Different Lead-On & Lead-Off strategies available
- ✓ Easy to use multiple tag / web definition
- ✓ Integrated finishing module with user definable skim cuts
- ✓ Free positioning between contours (incl. mile stones) with feeded or threaded wire
- ✓ Punctual manipulation for single contour elements (offset change, conic change, machine specific commands)
- ✓ Automatic adaption of starting points through pre defined CAD-Elements (points, circles, tubes etc. and whole sketches) as well as through user definable start point templates

NC-Browser

- ✓ Browser-Technology for NC-Output incl. visualization of machining sequence and graphics feedback

CAD-Bundle EDMCAD PA

DCAMCUT software incl. EDMCAD PA delivers powerful design functionality for sketches, parts and assemblies with an intuitive user interface to speed your design process and make you instantly productive.

Included CAD-Interfaces:

- ✓ DWG (*.dwg)
- ✓ DXF (*.dxf)
- ✓ IGES (*.igs; *.iges)
- ✓ STEP AP203/214 (*.step; *.stp)
- ✓ Parasolid (*.x-t; *.x_b; *.xmt_txt; *.xmt_bin)
- ✓ ProE (*.prt; *.xpr; *.asm; *.xas)
- ✓ Unigraphics (*.prt)
- ✓ Inventor (*.ipt; *.iam)
- ✓ SolidWorks (*.sldprt; *.sldasm)
- ✓ Solid Edge (*.par; *.psm; *.asm)
- ✓ Rhino (*.3dm)
- ✓ ACIS (*.sat)
- ✓ VDAFS (*.vda)
- ✓ VRML (*.wrl)
- ✓ STL (*.stl)
- ✓ Adobe Photoshop Files (*.psd)
- ✓ Adobe Illustrator Files (*.ai)
- ✓ CADKEY (*.prt; *.ckd)
- ✓ IDF (*.emn; *.brd; *.bdf; *.idb)
- ✓ CATIA Graphics (*.cgr)