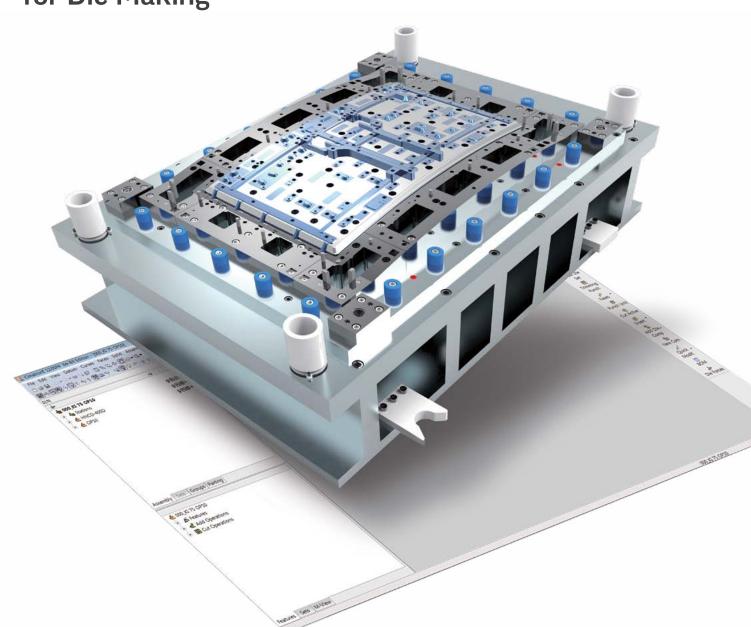
Ci Cimatron[®]

CAD/CAM Solution for Die Making







Cimatron is a single CAD/CAM solution, dedicated to die making. It enables you to deliver high quality dies in record time and produce dies of any complexity and size.

Data Import

- Start working immediately heal and stitch data or work with non-stitched models and poor quality imported data.
- Import data from all standard formats, including mesh objects DXF, IGES, STEP, VDA, Parasolid, SAT (ACIS), and SAB.
- Import, read and write Mesh Formats including STL, VRML, OBJ (Acrobat), PLY, 3MF, JT (read) with support for colors and textures.
- Use native formats AutoCAD, Autodesk Inventor, CATIA, Creo, NX, SolidWorks and SolidEdge.

Quoting

- Use dedicated tools to extract design information.
- Extract accurate design data to Excel.

Blank Design and Die Layout

- Create and edit forming shapes, work in a hybrid solid-surface-wireframe environment.
- Utilize special geometric tools for bending, unbending, unfolding, and other forming options.
- Reduce the number of die tryouts using analysis tools for springback, safety zone, curvature, draft angles and nesting.
- Design the strip for progressive dies and separate stations for transfer dies in a flexible layout design environment.
- Apply engineering changes at any point in the project.

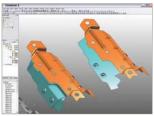
Die Tool Design

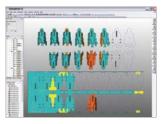
- Load an entire die set that is fully adapted to the requirements of your project.
- Easily design trimming and forming punches and matrices, using dedicated automated tools.
- Work with a large range of standard and user-defined catalog parts.
- Validate your design with measurement, analysis and collision detection tools.
- Create and reuse drawing templates incorporating customer specifications using dynamic multiple views and shaded views.
- Add BOM and table of holes to your drawings taking into account machining attributes.

NC Programming - 2.5-5-axis and Wire EDM

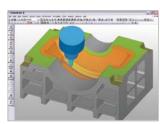
- Use built-in CAD functionality to add surfaces and contours, cap holes and slots, extend surfaces and apply drafts and rounds.
- Dedicated Plate Machining Seat generates efficient toolpaths for efficient roughing and high quality finishing with a range of 2.5–5-axis optimized machining strategies.
- Machine with confidence using material removal and machine simulations.
- Access a rich library of post-processors for 3, 3+2 position and 5-axis machines, and all leading controllers.
- Generate NC Setup and Tool Table reports automatically as you post process a program.
- Program Wire EDM machines in 2-axis and 4-axis wire modes.













3D Systems provides comprehensive 3D products and services, including 3D printers, print materials, on-demand parts services and digital design tools. Its ecosystem supports advanced applications from the product design shop to the factory floor to the operating room. As the originator of 3D printing and a shaper of future 3D solutions, 3D Systems has spent its 30 year history enabling professionals and companies to optimize their designs, transform their workflows, bring innovative products to market and drive new business models. Specifications subject to change without notice. 3D Systems, the 3D Systems logo, Cimatron are trademarks of 3D Systems, Inc.

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