What's New in CimatronE 9.0

CimatronE Version 9.0 release introduces over 200 significant enhancements for Mold Makers, Die Makers and manufacturers, providing exceptional value for customers on maintenance as well as extensive competitive advantage for new customers.

With Cimatron's winning concept of flexible automation, additional built-in analysis capabilities, and overall performance improvements, CimatronE 9.0 delivers a new level of user experience.

The new release includes new functionality and improvements in the areas of quoting, tool design, drafting, electrode creation, and NC programming, providing toolmakers and manufacturers with further productivity gains across all individual modules as well as the complete integrated solution.

This leaflet highlights some of the new capabilities in this release that will further help mold makers, die makers, and manufacturers create higher quality tools and parts with shorter delivery times and lower costs.

What Customers are saying about CimatronE

> "The 'what customers are saying' quotes will be supplied by Cimatron. The 'what customers' quotes will be supplied by Cimatron. supplied by Cimatron."
>
> **Starbase Technologies, USA**

About Cimatron

With over 25 years of experience and more than 40,000 installations worldwide, Cimatron is a leading provider of integrated, CAD/CAM solutions for mold, tool and die makers as well as manufacturers of discrete parts. Cimatron is committed to providing comprehensive, cost-effective solutions that streamline manufacturing cycles, enable collaboration with outside vendors, and ultimately shorten product delivery time.

The Cimatron product line includes the CimatronE and GibbsCAM brands with solutions for mold design, die design, electrodes design, 2.5 to 5 axes milling, wire EDM, turn, mill-turn, rotary milling, multi-task machining, and tombstone machining. Cimatron's subsidiaries and extensive distribution network serve and support customers in the automotive, aerospace, medical, consumer plastics, electronics, and other industries in over 40 countries worldwide.

Cimatron is publicly traded on the NASDAQ exchange under the symbol CIMT.

For more information, please visit the company web site at:
www.cimatron.com

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CimatronE 9.0

Innovative Solutions for Toolmaking and Manufacturing

Version Highlights

- Enhanced Integration
- Mold Design Automation
- CMM Application
- Transfer Die Design
- Die Quote Generator
- New Machining Strategies
- Many Other Productivity Improvements

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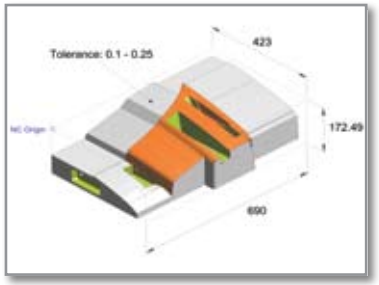
Version Highlights

Enhanced Integration

Product Manufacturing Information (PMI) can be used throughout the entire CimatronE suite, shortening delivery time and improving product quality by smoothing communication and information flow throughout the design and manufacturing process.



PMI is used in the NC application to define the machining origin and the part dimensions, while the Surface Roughness was previously defined by the designer in the CAD application.

Mold Design

- Project Definition tool streamlines the setup of new projects.
- New function allows for quick determination of the correct split direction for sculptured parts.
- Smart catalog parts reduce cutting errors by providing built-in analysis of the cutting objects when placing screws, pins and other components.

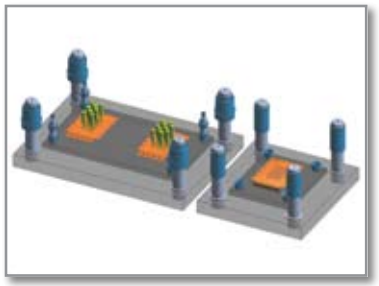
The new Cut Manager Filter is used to alert the user about potential collision between a new placed Screw and an existing Cooling Baffle (marked in Red).

Electrode Design and Manufacturing

- A new application for defining and simulating measuring points and probe path streamlines the use of Coordinate Measuring Machine (CMM) for checking electrode accuracy.
- On-the-Fly templates enable instant reuse of the entire design process from any electrode, greatly accelerating the creation of additional electrodes.

Die Design

- Transfer Die Design – a new application introducing an intuitive and flexible workflow for the intuitive design of transfer dies.
- Die Quote Generator – a new database-driven application for quick generation of professionally looking die job quotations.
- Automated piercing and punch units creation supports the needs of the consumer electronics industry.
- Improved die tool design capabilities.
- Hundreds of new die design catalog parts.



A Transfer Die layout is designed by the new Die Set & Stations function.

The Piercing & Punch stations were designed by the new Intelligent Pricing Design tool.

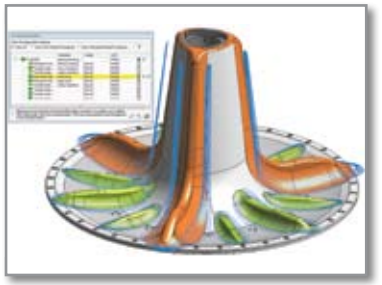
A Quoting Form of a Progressive Die project is created by the new DieQuote Generator, based on CimatronE file and the company's production cost database.

Additional CAD for Tooling Capabilities

- Parametric catalog/sub Assembly adjustment automatically adapts the catalog part or sub assembly to match the dimensions of the main assembly and the project setup parameters.
- Powerful multi radiuses Corner Fillet functionality can be preformed within few clicks.
- Automatic Pocket selection saves valuable time by reducing repetitive manual work.

2.5 – 5 Axis NC for Tooling

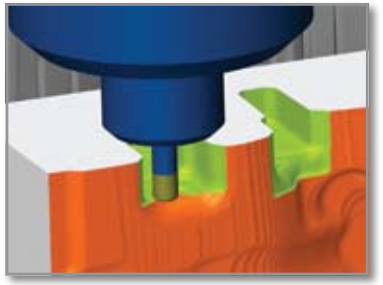
- New machining strategies such as Cleanup All Along, Keep Sharp Edges, and Contours as Touch Point provide greater levels of built-in support for 5-axis and High Speed Milling.
- Milling operations such as Spiral Cut and Flow Line for machining of complex geometrical details are now available as part of the basic NC application.
- Enhanced stock recognition improves rough ad re-rough efficiency and 5-axis automated drill capabilities.
- Transformations – toolpath motions can be copied without duplication, including smart sorting capabilities and support of machine subroutines in the post processor.



A prototype of a Juice Extractor is machined using 5-axis Cleanup-All-Along. The new Transformations mechanism is used to duplicate & mirror the Cleanup operations.

5-Axis Milling

- New 5X continuous Material Removal Simulation, Collision and Gouge Detection and improved Machine Simulation.
- New capabilities provide enhanced user control to fine tune the cutter location and orientation during gouge checking, air connections, and approach & retract motions.



The 5X Positioning Rough operation uses the new automated multi-axis Stock. A Material Removal Post based simulation is done in the new unified Machining Simulation environment.

Additional Enhancements in Version 9.0

- Ability to read PMI from Catia and Pro Engineer.
- Improved Drafting performance and creation of Views in batch mode.
- Hundreds of additional new and improved features based on user input.