

# Cimatron Mill-Turn

Maximize the productivity of advanced CNC machinery and achieve superior surface quality with powerful toolpath control and specialized strategies for mill-turn and turning operations.

## Cimatron Mill-Turn

Cimatron provides the tools manufacturers need to safely increase productivity using machining technologies that harness the power of complex mill-turn and turning operations.

### Advanced machining

Specialized machining strategies for mill-turn and turning operations help make the most of sophisticated machine tools. Turning and advanced 5-axis milling capabilities can be combined for increased productivity.

### Turning strategies

Increase efficiency with dedicated turning strategies for roughing, high-speed roughing with a round insert, finishing, drilling, grooving, and threading. Strategies also include contouring for finishing operations.

### Toolpath control

Perform operations exactly the way you want to with customizable toolpath generation capabilities. Choose whether to machine from the outer or inner diameter, as well as cutting direction, tool orientation, entry and retract mode, and more.

### Simplified cutter creation

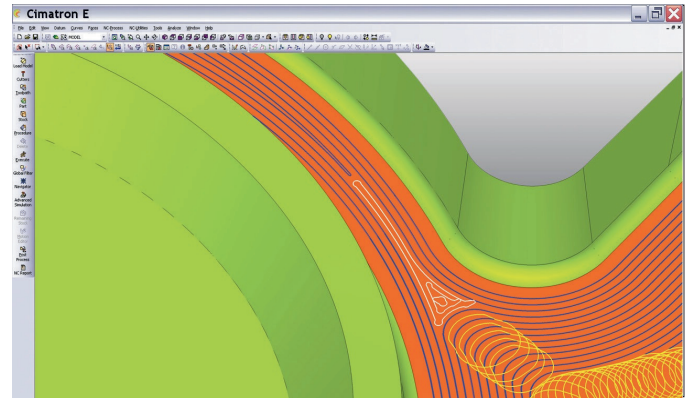
Easily create cutters using key dimensions, and take advantage of a wide variety of predefined, common tool shapes. Form tools and holders can be defined by the user.

### Updated stock model

A stock model that is updated throughout complex mill-turn operations provides an accurate picture of work in progress for increased confidence in machining.

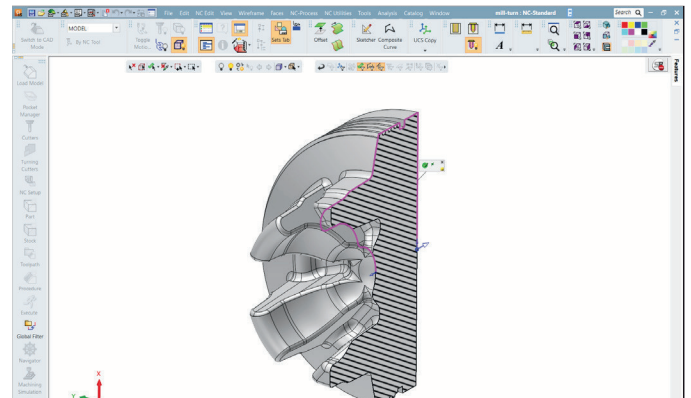
### Simulation and verification

Multi-axis toolpath simulation and comprehensive gouge and collision detection capabilities help manufacturers machine with confidence. CNC program simulation includes machine kinematics, workpieces, and fixtures.



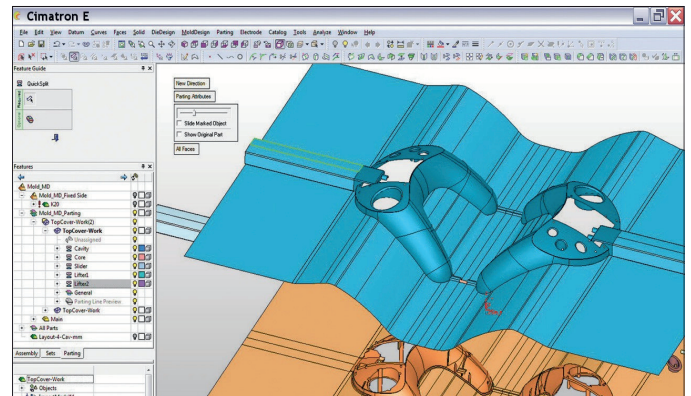
### Specialized machining strategies

Robust strategies for mill-turn and turning operations help make the most of advanced CNC machinery.



### Robust turning capabilities

Safely perform efficient roughing, contouring, threading, grooving, tapping, and boring, and finishing operations.



### Integrated design features

Program complex surfaces using a range of contour creation options with access to all of Cimatron advanced CAD tools.

