Creo Mold Machining Extension

For your specialty machining needs

To help those who build one-off and low-volume designs, we've introduced the Creo Mold Machining Extension. Objects like molds, tools, electrodes, and dies only need to be produced once in a while. As such, a rapid tool path creation may be more practical for product developers than the processes used to produce hundreds or thousands of products.

Creo Mold Machining (MMX) gives you specialized 3-axis, numerically controlled (NC) machining capabilities – all in the Creo environment. When you change your design or tooling, the NC toolpaths change as well. Creo MMX is powered by ModuleWorks and optimized for mold, die, electrode, and prototype machining.

Creo MMX offers you significant benefits: increased efficiency; improved quality of manufactured products, reduced cost for development and manufacturing, and increased customer satisfaction.

Benefits

- Improves product quality and manufacturing consistency by generating toolpaths directly on solid models

- Part of an integral CAD/CAM solution–no data translation required

- Reduces time-to-market via associative toolpath updates to design changes
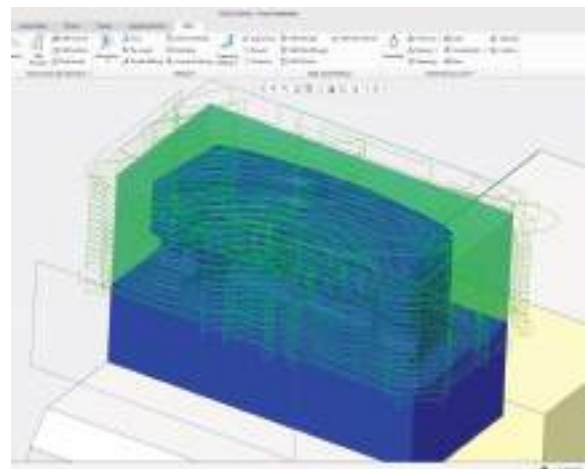
High speech machining roughing sequence, multi-threaded for fast computation
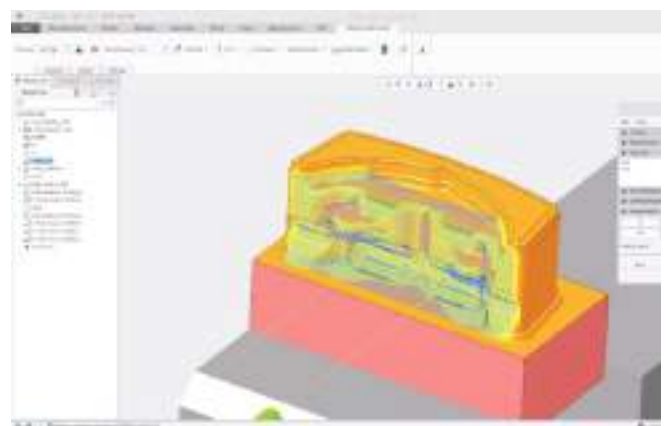
Material removal simulation of 3 + 2 high speed machining sequences

	Prismatic & Multi-Surface Milling	Production Machining	Mold Machining	Complete Machining	Tool Design	Expert Moldbase	Progressive Die	NC Sheetmetal	Computer-Aided Verification
2-Axis Feature-based Machining	•	•		•					
3-Axis Milling	•	•	•	•					
4/5-Axis Positioning Milling	•	•	•	•					
Holemaking			•						
4-Axis Turning		•		•					
4-Axis Wire EDM		•		•					
Live Tooling for Turning (Mill/Turn: CBY)				•					
5-Axis Continuous Milling and Contouring Machines				•					
Multi-task machining synchronization				•					
Extraction of Manufacturing Annotation Features	•	•		•					
Tool and Fixture Library	•	•	•	•					
Manufacturing Process Documentation Pro/PROCESS for Manufacturing	•	•		•					
Automatic Nesting								•	
Punch Press and 2-Axis Laser Programming								•	
GPOST: NC Post-Processor Generator	•	•	•	•				•	
Moduleworks-based NC Simulation	•	•	•	•					
Automatic Core/Cavity creation					•				
Moldbase Design, including Moldbase Component Libraryn					○	•			
Progressive Die Design							•		
First Article Inspection (compare 3D model with cloud of points)									•
CMM Programming (DMIS output)									•

All of the options above require a seat of Creo Parametric.   • Capability included   ○ Basic moldbase layout functionality

The Creo Advantage

Creo is a 3D CAD solution that helps you build better products faster by accelerating product innovation, reusing the very best of your designs and replacing assumptions with facts. Go from the earliest phases of product design to a smart, connected product with Creo. Add augmented reality to allow everyone to visualize your design. In the fast-changing world of the Industrial IoT, no other company can get you to the substantial value as quickly and effectively as PTC.

Please visit the PTC support page for the most up-to-date platform support and system requirements.

For more information, visit: PTC.com/product/creo or contact your local sales representative.