



TOOL & DIE IN CREO

Creo is the 3D CAD solution that helps you deliver your best designs in less time. Creo offers easy-to-use tool and die solutions for creation of moldbase, core & cavity, progressive dies, and toolpath for coordinate measuring machines (CMM). All are fully integrated into Creo for a seamless workflow.

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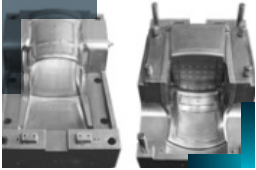


DIGITAL TRANSFORMS PHYSICAL

CREO TOOL & DIE EXTENSIONS



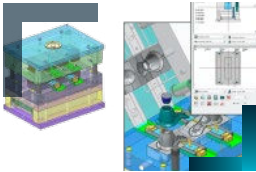
TOOL DESIGN >



Accelerate the design of high-quality production mold and cast tooling:

- Easy to use process driven UI for Mold and Cast design
- Automated creation of parting line and parting surface geometry
- Associative design and tooling updates

EXPERT MOLDBASE EXTENSION >



Automate manual, time-consuming tasks to speed the creation of moldbase tooling:

- 2D process-driven workflow for moldbase design and detailing
- Customizable "smart" mold component library
- Automatic ejector pin, waterline, and fittings functions; automatic runners, and waterline checks

COMPUTER-AIDED VERIFICATION >



Coordinate Measuring Machine (CMM) programming for digital quality inspection:

- Gain absolute confidence in the QA process by performing digital inspections of machined parts and assemblies.

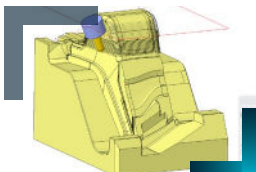
PROGRESSIVE DIE EXTENSION >



Eliminate error-prone manual tasks:

- Easy-to-use wizards guide you through automatic strip layout definition, cut stamp creation, and placement/ modification of die components.
- Automatically create clearance cuts, drilled holes, and documentation

HIGH-SPEED MILLING ADVANCED EXTENSION >



All capabilities in HSM:

- Comprehensive holmaking
- 5-Axis High-Speed Milling, continuous toolpaths with high level of automation and collision-checking
- 5-Axis High-Speed Milling, Roughing and Rest Rough, including automatic 3+2 Axis Rough and Rest Rough and adaptive feed-rates for roughing and rest-roughing
- 3 to 5-Axis High-Speed Milling Conversion for Finish and Rest Finish; 5-Axis Auto Deburring
- 5-Axis geodesic finishing and trajectory Milling

CREO CAM SOLUTIONS

Creo Tool & Die Extensions	Expert Moldbase	Progressive Die	Computer-Aided Verification	Tool Design	High-Speed Milling Advanced
• Moldbase Design and Component Library	✓			Basic	
• Progressive Die Design		✓			
• First-Article Inspection & CMM Programming			✓		
• Automatic Core/Cavity Creation				✓	
• 5-Axis High-Speed Milling					✓

*All of the options above require a seat of Creo Parametric.

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THE CREO ADVANTAGE

Creo is the 3D CAD solution that helps you accelerate product innovation so you can build better products faster. Easy-to-learn Creo seamlessly takes you from the earliest phases of product design to manufacturing and beyond. You can combine powerful, proven functionality with new technologies such as generative design, augmented reality, real-time simulation, additive manufacturing and the IIoT, to iterate faster, reduce costs and improve product quality. The world of product development moves quickly, and only Creo delivers the transformative tools you need to build a competitive advantage and gain market share.



Please visit the [PTC support page](#) for the most up-to-date platform support and system requirements.

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