



# Feature Comparison of PTC Creo® View™ MCAD™ Product Suite

data sheet

Feature Group	Feature	Creo View Express	Creo View Lite	Creo View MCAD
User Interface	Microsoft Fluent paradigm	X	X	X
	User interface customization	X	X	X
	Command finder	X	X	X
	Ribbon User Interface	X	X	X
Usage	Standalone version	X	X	X
Interoperability with PTC Products	Windchill PDMLink®		X	X
	Windchill ProjectLink™		X	X
Performance & Scalability	High performance Large assembly loading	X	X	X
	High performance Large assembly visualization	X	X	X
	Single scalable multi core ready architecture	X	X	X
	Highly efficient memory usage	X	X	X
	OL file caching		X	X
	Massive Assembly Option(64-bit only)*			X
Supported file formats	ED, EDZ, PVA, PVZ, and OL files	X	X	X
	PDF Documents	X	X	X
	Native reading of Creo Parametric parts, assemblies and drawings	X	X	X
	2D Drawing formats - CGM, Autodesk (DWG, DXF, DWF, DWFx), HPGL (PLT, HPGL, HPG, HP2, HGL, GL2), Creo Parametric™ (DRW, FRM, LAY, DGM, REP, SEC)	X	X	X
	Image formats (BMP, GIF, JPG, PNG, TIFF, JPEG, TIF, CG4, C4)	X	X	X
	Illustration Formats	X	X	X
	3D Model formats - Collada, FBX, and OBJ		X	X
	Native import of CATIA V5, IGES, Inventor, SolidEdge, STEP, STL, VRML, and many other 3D CAD formats.		X	X
	Native import of JT files*			X

Feature Group		Feature	Creo View Express	Creo View Lite	Creo View MCAD
Viewing features	Document types handled	3D Models	X	X	X
		Drawings	X	X	X
		PDF Documents	X	X	X
		Images	X	X	X
	Navigation	Zoom	X	X	X
		Pan	X	X	X
		Rotate	X	X	X
		Spin Center	X	X	X
		Support touch-enabled devices	X	X	X
		Part Dragger	X	X	X
		Full Screen Display	X	X	X
	Other viewing features	Support Stereo Projection			X
		Multi Document Viewing	X	X	X
		View embedded ITAR information (copyright markings)	X	X	X
		View Gallery	X	X	X
		View Layers		X	X
Navigation	Layer Groups, Layer search		X	X	
	Examine mode	X	X	X	
	Flythru mode	X	X	X	
	Creo navigation mode	X	X	X	
	ProductView navigation mode	X	X	X	
Product Structure Navigation	CATIA V5 compatible navigation mode	X	X	X	
	View Product Structure	X	X	X	
	Enhanced Product Structure navigation	X	X	X	
	Expand / Collapse branch	X	X	X	
	Expand / Collapse to specified levels	X	X	X	
	Unload component	X	X	X	
	Unload branch	X	X	X	
Groups	Hierarchical loading via 3D Thumbnails			X	
	View groups		X	X	
	Hide / Unhide / Isolate group		X	X	
	View parts contained in the group		X	X	
	Create and edit groups			X	
	Remove parts from the group			X	
	Delete Group			X	
Rename group			X		

Feature Group	Feature	Creo View Express	Creo View Lite	Creo View MCAD
Annotation Sets	Show Annotation sets	X	X	X
	Create Annotation set		X	X
	Save Annotation set		X	X
	Delete Annotation set		X	X
Part Properties	Edit Appearance			X
	Edit Material			X
	Edit location			X
Redline / Markup	View markups	X	X	X
	Create, Modify, Save		X	X
	Enhanced markup palette		X	X
	Create parametric markups		X	X
	Add GTOL		X	X
	Stamps		X	X
Repositioning tools	Mate			X
	Align			X
Measurements	Component Summary	X	X	X
	Measure Distance	X	X	X
	Measure Radius	X	X	X
	Measure Diameter	X	X	X
	Measure angle	X	X	X
	Display mass properties		X	X
	Display envelope		X	X
Render mode	Shaded, Wireframe, HLR, Mesh modes		X	X
	Shaded with edges		X	X
	Mixed render modes		X	X
	Transparency			X
Sectioning	Create / Define section	X	X	X
	Show 2D section Window		X	X
	Control Display of Section boundaries		X	X
	Flip direction		X	X
	Quarter cut		X	X
	Geometry-driven section placement		X	X
	Export section as CGM			X
	Section selected parts			X
Export	Export into 2D image formats(.bmp, jpg, etc.)			X
	Save as PVS, PVZ, VRML, DXF, IGES or STEP file			X
	Save as JT format*			X
Email	Send Creo View viewable via email as an attachment	X	X	X
	Send image via email as an attachment	X	X	X

Feature Group	Feature	Creo View Express	Creo View Lite	Creo View MCAD
Search	Find	X	X	X
	Spatial Search			X
	Color coded visual reporting			X
	Graphical definition of Search Volume			X
	Search by Component Size			X
Construction Geometry	View existing Construction geometry	X	X	X
	Create Construction geometry (Point, Plane, Axis, Curve, Coords, Line)			X
	Import XML file containing CG			X
	Export Construction Geometry into an external XML file			X
Lighting	Edit lighting			X
Layers navigator	View Layers		X	X
	View Layer groups		X	X
	Hide / Unhide layers		X	X
	Filter Layers		X	X
Support for Model Based Design	Display Combination / Viewstates from Creo Parametric or Capture States from CATIA V5	X	X	X
	View model annotations	X	X	X
	Response surface highlighting	X	X	X
	Model annotations navigator		X	X
	Hide / Unhide model annotations		X	X
	Highlight references (geometry, model annotations)		X	X
	Filter model annotations		X	X
	Combined Printing of Combination / CaptureStates /ViewStates		X	X
	Review design checks		X	X
	Perform design checking*			X
	Search for model annotations			X
BOM	Generate BOM			X
	Column Chooser for BOM			X
	Export BOM to CSV, HTML formats			X
Smart Explode	Explode parts, assemblies			X
	Define and control the explosion			X
Design Comparison	Drawing compare			X
	Model Geometry Comparison			X
	Assembly Structure Comparison			X

Feature Group	Feature	Creo View Express	Creo View Lite	Creo View MCAD
Product Structure editing	Insert a new Product Structure into the existing Product Structure			X
	Insert branch link (reference another PVS / ED file)			X
	Re-order Product Structure			X
	Delete product structure			X
	Save Product Structure			X
	Edit properties of Product Structure (Visual, Scale, Position)			X
	Create new Product Structure			X
Watermarking	Add and Delete watermark		X	X
	Include watermark while viewing		X	X
	Include watermark while printing		X	X
	Watermark PDFs*		X	X
	Watermark Editor			X
Drawings	Display	X	X	X
	Multi sheet viewing	X	X	X
	Measure		X	X
	View results from drawing comparison		X	X
	Drawing compare			X
	CGM export			X
Augmented Reality	Creation of Spatial Tracking Planes		X	X
	Publishing of Augmented Reality Experiences		X	X
Animation	Playback Animations	X	X	X
	Create Animations *			X
	Edit Animations *			X
	Import FRA (Creo Parametric Frame files) *			X
	Graphical manipulation of flight path *			X
	Interaction with Windchill *			X
	Define parameters for Animation tracks *			X
Interference Analysis	Review Interference results *		X	X
	Define basic interference parameters *			X
	Define advanced interference parameters *			X
	Calculate Interferences *			X
	Analyze Interferences *			X
	Compare Interference results *			X
	Generate Interference Report - Summary *			X
	Use Dynamic groups in Interference Checking *			X
	Display Volume of Interference *			X
	Tagging of Interference results *			X
	Interaction with Windchill *			X
	Generate Interference Report - Detailed *			X
	View results from Interference Service Management*			X

Feature Group	Feature	Creo View Express	Creo View Lite	Creo View MCAD
ECAD-MCAD Visualization	Cross selection between Electronic and Mechanical designs*			X
Toolkits	Creo View Java Toolkit*		X	X
	Creo View Web Toolkit *	X	X	X
	Creo View Office Toolkit *	X	X	X
	Creo View WebGL Toolkit *	*	*	*
Licensing	FlexLM license enabled			X
Supported Optional modules	Creo View PDF Review Option *		X	X
	Creo View PDF Watermarker*		X	X
	Creo View JT Format Option *			X
	Creo View Design Check *			X
	Creo View Animator *			X
	Creo View Interference Analysis*			X

\* Features require additional Creo View module(s).

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



Creo is a 3D CAD solution that helps you build better products faster by accelerating product innovation, reusing the best of your design and replacing assumptions with facts. Go from the earliest phases of product design to a smart, connected product with Creo. And with cloud-based augmented reality in each seat of Creo, you can collaborate with anyone, instantly at any step in the product development process. In the fast-changing world of the Industrial IoT, no other company can get you to substantial value as quickly and effectively as PTC.

**INNEO**<sup>®</sup> Händlerinformation  
That's IT.

INNEO Solutions GmbH · inneo@inneo.com · www.inneo.com

Deutschland:	Schweiz:
IT-Campus 1	Ruchstückstrasse 21
73479 Ellwangen	CH-8306 Brütisellen
Telefon: +49 (0) 7961 890-0	Telefon: +41 (0) 44 805 1010
Fax: +49 (0) 7961 890-177	Fax: +41 (0) 44 805 1011

© 2019, PTC Inc. (PTC). All rights reserved. Information described herein is furnished for informational use only, is subject to change without notice, and should not be taken as a guarantee, commitment, or offer by PTC. PTC, the PTC logo, and all PTC product names and logos are trademarks or registered trademarks of PTC and/or its subsidiaries in the United States and other countries. All other product or company names are property of their respective owners. The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.