

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

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

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

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

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

Feature Group	Feature	PTC Creo View Express	PTC Creo View Lite	PTC Creo View MCAD
Email	Send PTC Creo View viewable via email as an attachment	•	•	•
	Send image via email as an attachment	•	•	•
Product Structure editing	Insert a new Product Structure into the existing Product Structure			•
	Insert branch link (reference another PVS / ED file)			•
	Re-order Product Structure			•
	Delete Product Structure			•
	Save Product Structure			•
	Edit properties of Product Structure (Visual, Scale, Position)			•
	Create new Product Structure			•
Watermarking	Add and Delete watermark		•	•
	Include watermark while viewing		•	•
	Include watermark while printing		•	•
	Watermark Editor			•
	Watermark PDFs*		•	•
Drawings	Display	•	•	•
	Measure		•	•
	Multi sheet viewing	•	•	•
	CGM export			•
	Drawing compare			•
	View results from drawing comparison		•	•
Animation	Create Animations*			•
	Edit Animations*			•
	Playback Animations*	•	•	•
	Import FRA* (Creo Parametric Frame files)			•
	Graphical manipulation of flight path*			•
	Interaction with PTC Windchill*			•
	Define parameters for Animation tracks*			•

Feature Group	Feature	PTC Creo View Express	PTC Creo View Lite	PTC Creo View MCAD
Interference Analysis	Define basic interference parameters*			•
	Define advanced interference parameters*			•
	Calculate Interferences*			•
	Analyze Interferences*			•
	Compare Interference results*			•
	Review Interference results*		•	•
	Generate Interference Report – Summary*			•
	Use Dynamic groups in Interference Checking*			•
	Display Volume of Interference*			•
	Tagging of Interference results*			•
	Interaction with PTC Windchill*			•
	Generate Interference Report – Detailed*			•
	View results from Interference Service Management*			•
ECAD-MCAD Visualization	Cross selection between Electronic and Mechanical designs*			•
Toolkits	PTC Creo View Java Toolkit*		•	•
	PTC Creo View Web Toolkit*	•	•	•
	PTC Creo View Office Toolkit*	•	•	•
Licensing	FlexNet license enabled			•
Supported Optional modules	PTC Creo View PDF Review Option*		•	•
	PTC Creo View PDF Watermarker*		•	•
	PTC Creo View JT Format Option*			•
	PTC Creo View Design Check*			•
	PTC Creo View Animator*			•
	PTC Creo View Interference Analysis*			•

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

© 2015, PTC Inc. 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, condition or offer by PTC. PTC, the PTC logo, Creo, Windchill, and all other 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.

J5686-PTC Creo Comp View Matrix-TS-EN-0515



INNEO[®] Authorised Dealer
That's IT.

INNEO Solutions Ltd. Phone: +44 (0) 1789 337920
60 Cygnet Court Fax: +44 (0) 1789 337921
Timothy's Bridge Road E-Mail: inneo-uk@inneo.com
Stratford upon Avon Web: www.inneo.com
Warwickshire · CV37 9NW · UK