

Creo View MCAD Feature Comparison

	Feature	Creo View Express	Creo View Lite	Creo View MCAD	ProductView Standard
User Interface	Microsoft Fluent paradigm				
	Ribbon User Interface				
Usage	Standalone version				
Interoperability with PTC Products	Windchill PDMLink				
	Windchill ProjectLink				
	Windchill ProductPoint				
	Graphics Server				
Performance & Scalability	Massive Assembly Option(64-bit only)				
	High performance Large assembly loading				
	High performance Large assembly visualization				
	High performance Massive assembly visualization				
	Single scalable multi core ready architecture				
	Highly efficient memory usage				
	ED files				
	EDZ files				
	PVS files				
	PVZ files				
	OL files				
	Drawing formats (CGM, DWG, DWF, HPGL)				
	Image formats (BMP,JPG, GIF)				
	PDF Documents				
	2d DWFx, 3d DWFx, 3d DWF				
	Native reading of Pro/ENGINEER parts, assemblies and drawings				
	ISO files (Illustration format)				

		Feature	Creo View Express	Creo View Lite	Creo View MCAD	ProductView Standard
Supported file formats		Native import of STL, VRML, DGN, GBF, IGES.				
		Native import of JT files				
		Native import of STEP files				
Viewing features	Document types handled	3D Models				
		Drawings				
		PDF Documents				
		Illustrations				
		Images				
	Navigation	Zoom				
		Pan				
		Rotate				
		Spin Center				
		Full Screen Display				
		In graphics hierarchy navigation				
		Part Dragger				
	Other viewing features	View Layers				
		Enhanced (Layers)				
		Multi Document Viewing				
Enhanced (Multi-Document Viewing)						
View Gallery						
Navigation		Examine mode				
		Flythru mode				
		Pro/ENGINEER navigation mode				
		Enhanced (Pro/E Navigation mode)				
		View Product Structure				
		Enhanced (View Product Structure)				
		Expand / Collapse branch				

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Product Structure Navigation	Expand / Collapse to specified levels				
	Unload component				
	Unload branch				
	Hierarchical loading via 3D Thumbnails				
	Create and edit groups				
	Enhanced (Create and Edit Groups)				
Groups	View groups				
	Enhanced (View Groups)				
	Hide / Unhide / Isolate group				
	View parts contained in the group				
	Enhanced (View parts contained in the group)				
	Remove parts from the group				
	Delete Group				
	Rename group				
	Create Dynamic Groups				
	Modify Dynamic Groups				
	Access Dynamic Groups				
Annotation Sets	Create Annotation set				
	Save Annotation set				
	Delete Annotation set				
	Show Annotation sets				
	Capture Camera state				
	Reorganize, filter, group annotation sets				
	Enhanced (Re-organize, filter, etc.)				
	Smooth Interpolation between annotation sets				
	Edit Color				
	Edit display style (Solid, Transparency)				

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Part Properties	Enhanced (display style, etc.)				
	Edit location / orientation				
	Enhanced (Edit Location, etc.)				
	Custom Color Palette				
	Rename Part				
Redline / Markup	Create markup				
	Enhanced (Create markup)				
	Modify markup				
	Enhanced (Modify markup)				
	View markup				
	Enhanced (View markup)				
	Delete markup				
	Hide / unhide markup				
	GTOL				
	Enhanced (GTOL)				
	Stamps				
Repositioning tools	Mate				
	Align				
Measurements	Measure Distance				
	Enhanced Distance measurements				
	Measure Radius				
	Enhanced radius measurements				
	Measure Diameter				
	Enhanced diameter measurements				
	Measure angle				
	Enhanced angle measurements				
	Component Summary				

	Feature	Creo View Express	Creo View Lite	Creo View MCAD	ProductView Standard
	Delete Measurements				
	Measure extents				
	Mass Properties				
Render mode	Shaded				
	Wireframe				
	HLR				
	Mesh				
	Shaded with edges				
	Mixed render modes				
Sectioning	Create / Define section				
	Show 2D section Window				
	Show Section boundaries				
	Flip direction				
	Quarter cut				
	Capped sections				
	Export section to CGM format				
	Section selected parts				
	Geometry-driven section placement				
Export	Export into 2D image formats(.bmp, jpg, etc.)				
	Export to IGES				
	Save as PVS file				
	Save as PVZ file				
	Save as VRML, STEP, DXF				
	JT format				
Interrogation	Find				
	Spatial Search				
	Color coded advanced search				

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	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	Simple light source positioning			*	
Layers navigator	View Layers				
	View Layer groups				
	Hide / Unhide layers				
	Filter Layers				
Support for Model Based Design	Display Combination / Viewstates from Pro/ENGINEER 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				
Combined Printing of Combination / CaptureStates / ViewStates					
BOM	Generate BOM				
	Column Chooser for BOM				
	Export BOM to CSV, HTML formats				
Real time Collaboration	Peer to Peer Collaboration				

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Smart Explode	Explode parts, assemblies				
	Define and control the explosion				
Email	Send Creo Elements/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 Watermark				
	Delete watermark				
	Include watermark while viewing				
	Include watermark while printing				
	Watermark Editor				
Drawings	Display				
	Measure				
	Multi sheet viewing				
	CGM export				
	Drawing compare				
Animation	Create Animations				
	Edit Animations				
	Playback Animations				
	Import FRA (Creo Elements/Pro Frame files)				

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	Graphical manipulation of flight path				
	Interaction with Windchill				
	Define paramters of Animation tracks				
Interference Analysis	Define basic interference parameters				
	Define advanced interference parameters				
	Calculate Interferences				
	Analyze Interferences				
	Compare Interference results				
	Review Interference result				
	Generate Interference Report - Summary				
	Use Dynamic groups in Interference Checking				
	Display Volume of Interference				
	Tagging of Interference results				
	Interaction with Windchill				
	Generate Interference Report - Detailed				
ECAD-MCAD Visualization	Cross selection between Electronic and Mechanical designs			requires Creo View ECAD and Creo View MCAD	
Creo Elements/View Toolkits support	Supports Creo Elements/View Java Toolkit				
	Supports Creo Elements/View Web Toolkit				
	Supports Creo Elements/View Office Toolkit				
Licensing	FlexLM license enabled				

	Feature	Creo View Express	Creo View Lite	Creo View MCAD	ProductView Standard
Optional modules	Creo Elements/View PDF Collaboration Option / Interface			and PDF Watermarker modules below	
	PDF Review				
	PDF watermark				
	Creo Elements/View JT Format Option				
	Creo Elements/View Validate for Model Based Design				
	Creo Elements/View Realizer			Refer to Animator and Interference Analysis modules below	
	Animator				
	Interference Analysis				
	Creo Elements/View Composer			*	
	Creo Elements/View Collective Document Viewing Option			*	

* = under consideration for inclusion in a subsequent releases of Creo Elements/View Professional