

## Comparison of ProductView MCAD Suite

This documents compares ProductView MCAD Suite.

**"\*" indicates under consideration for inclusion in subsequent releases of ProductView 9.1**

SI.No	Feature	ProductView Lite 9.1	ProductView Professional 9.1	ProductView Standard
1	<b>User Interface</b>			
	Office 2007 look and feel	✓	✓	X
2	<b>Installation</b>			
	Web plugin	✓	X	X
	Self updating browser plugin	✓	X	X
	Automatic download and install	✓	X	X
3	<b>Usage</b>			
	Standalone version	✓	✓	✓
4	<b>Supported file formats</b>			
	ED files	✓	✓	✓
	EDZ files	✓	✓	✓
	PVS files	✓	✓	✓
	PVZ files	✓	✓	✓
	OL files	✓	✓	✓
	Drawing formats (CGM, DWG, DWF, HPG)	✓	✓	✓

	Image formats (BPM, JPG, GIF)	✓	✓	✓
	PDF Documents	✓	✓	✓
	Native reading of Pro/E parts, assemblies and drawings	X	*	✓
	Native import of JT, STEP, STL, VRML, DGN, GBF, IGES, etc.	X	*	✓
	List of all supported file formats can be found here - <a href="http://www.ptc.com/products/productview/3d-2d-supported-formats.htm">http://www.ptc.com/products/productview/3d-2d-supported-formats.htm</a>	X	*	✓
<b>5</b>	<b>Viewing features</b>			
	<b>Document types handled</b>			
	3D Models	✓	✓	✓
	Drawings	✓	✓	✓
	PDF Documents	✓	✓	✓
	Images	✓	✓	✓
	<b>Navigation</b>			
	Zoom	✓	✓	✓
	Pan	✓	✓	✓
	Rotate	✓	✓	✓
	Spin Center	✓	✓	✓
	Full Screen Display	✓	✓	✓
	<b>Other viewing features</b>			
	View Layers	✓	✓	✓
	Multi Document Viewing	✓	✓	✓
	View Gallery	✓	✓	X
<b>6</b>	<b>Product Structure Navigation</b>			

	View Product Structure	X	✓	✓
	Expand / Collapse branch	X	✓	✓
	Expand / Collapse to specified levels	X	✓	✓
	Unload component	X	✓	✓
	Unload branch	X	✓	✓
	Expand 3D Thumbnail to next level of detail / full detail	X	✓	X
	Create Group	X	✓	✓
	Add to existing group	X	✓	✓
<b>7</b>	<b>Groups</b>			
	View groups	✓	✓	✓
	Hide / Unhide / Isolate group	✓	✓	X
	View parts contained in the group	✓	✓	✓
	Remove parts from the group	X	✓	✓
	Delete Group	X	✓	✓
	Rename group	X	✓	✓
	Save / Save all groups	X	✓	✓
<b>8</b>	<b>Annotation Sets</b>			
	Create annotation set	✓	✓	✓
	Save Annotation set	✓	✓	✓
	Delete Annotation set	✓	✓	✓
	Show Annotation sets	✓	✓	✓
	Capture Camera state	✓	✓	✓
	Reorganize, filter, group annotation sets	✓	✓	X
<b>9</b>	<b>Redline / Markup</b>			
	Create markup	✓	✓	✓

	Modify markup	✓	✓	✓
	View markup	✓	✓	✓
	Delete markup	✓	✓	✓
	Hide / unhide markup	X	✓	X
<b>10</b>	<b>Measurements</b>			
	Measure Distance	✓	✓	✓
	Measure Radius	✓	✓	✓
	Measure Diameter	✓	✓	✓
	Measure angle	✓	✓	✓
	Component Summary	✓	✓	✓
	Delete Measurements	✓	✓	✓
	Component dimensions	X	✓	X
<b>11</b>	<b>Render mode</b>			
	Shaded	✓	✓	✓
	Wireframe	✓	✓	✓
	HLR	✓	✓	✓
	Mesh	✓	✓	✓
<b>12</b>	<b>Sectioning</b>			
	Create / Define section	✓	✓	✓
	Show 2D section Window	✓	✓	✓
	Show Section boundaries	✓	✓	✓
	Flip direction	✓	✓	✓
	Quarter cut	X	✓	✓
	Capped sections	X	✓	X

	Export section to CGM format	X	✓	✓
	Section selected parts	X	✓	X
<b>13</b>	<b>Export</b>			
	Export into 2D image formats(.bmp, jpg, etc.)	X	✓	✓
	Export to IGES	X	✓	✓
	Save as PVS file	X	✓	✓
	Save as PVZ file	X	✓	✓
	Save as VRML, STL, AutoCAD	X	*	✓
<b>14</b>	<b>Interrogation</b>			
	Find	✓	✓	✓
	Spatial Search	X	✓	✓
	Color coded search	X	✓	✓
<b>15</b>	<b>Construction Geometry</b>			
	Create Construction geometry (Point, Plane, Axis, Curve, Coords, Line)	X	✓	✓
	Import XML file containing CG	X	✓	X
	Export Construction Geometry into an external XML file	X	✓	X
<b>16</b>	<b>Layers navigator</b>			
	View Layers	✓	✓	✓
	View Layer groups	✓	✓	✓
	Hide / Unhide layers	✓	✓	✓
	Filter Layers	✓	✓	✓
<b>17</b>	<b>Model Annotations</b>			
	Display Combination Viewstates from Pro/E or Capturestates	✓	✓	X

	View model annotations	✓	✓	✓
	Hide / Unhide model annotations	✓	✓	X
	Highlight references (geometry, model annotations)	✓	✓	X
	Filter model annotations	✓	✓	X
<b>18</b>	<b>Smart Explode</b>			
	Explode parts, assemblies	X	✓	✓
	Define and control the explosion	X	✓	✓
<b>19</b>	<b>Email</b>			
	Send ProductView viewable via email as an attachment	X	✓	X
	Send image via email as an attachment	X	✓	X
<b>20</b>	<b>Sequencer / Realizer</b>			
	Static interference check	X	*	✓
	Dynamic interference check	X	*	✓
	Create clash groups	X	*	✓
	Interrogate interference results	X	*	✓
	Save Interference results as a report	X	*	✓
<b>21</b>	<b>Mechanisms &amp; Constraints Editor</b>			
	Define constraints (revolute, prismatic, cylindrical, spherical, gear, etc.)	X	*	✓
	Lock / Unlock constraints	X	*	✓
	Create Mechanisms	X	*	✓
	Visualize mechanism	X	*	✓

	Delete mechasims	X	*	✓
	View / Select / Fly to Markers	X	*	✓
<b>22</b>	<b>Sequencer / Realizer</b>			
	Create Animations	X	*	✓
	Adding effects to animation	X	*	✓
	Collision detection during animation	X	*	✓
	Importing Pro/Mechanica generated animations	X	*	✓
	Playback animations with simple VCR controls	*	*	✓
	Saving a Movie	X	*	✓
<b>23</b>	<b>Composer</b>			
	Create Assembly / Dis-assembly or maintenance or inspection sequences	X	*	✓
	Import Pro/Process Assembly instructions	X	*	✓
	Define / Re-organize Instructions, attributes	X	*	✓
<b>24</b>	<b>3D Compare</b>			
	Comparison of 3D parts (Volume, Contour)	X	*	✓
	View results of 3D Compare as an Annotation set	*	*	✓
<b>25</b>	<b>Lighting</b>			

	Light source editing	X	*	✓
<b>26</b>	<b>Real time Collaboration</b>			
	Peer to Peer Collaboration	X	*	✓
<b>27</b>	<b>Repositioning tools</b>			
	Mate	X	*	✓
	Align tools	X	*	✓
<b>28</b>	<b>Product Structure editing</b>			
	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 subset of Product Structure	X	*	✓
	Edit properties of Product Structure (Visual, Scale, Position)	X	*	✓
	Create new Product Structure	X	*	✓
<b>29</b>	<b>Drawings</b>			
	Display	✓	✓	✓
	Measure	✓	✓	✓
	Multi sheet viewing	✓	✓	✓



	CGM export	X	✓	✓
	Drawing compare	X	✓	✓
<b>30</b>	<b>Licensing</b>			
	FlexLM license enabled	X	✓	X