



## INVENTOR QUALITY CHECK

### Data Sheet

<b>Program specification:</b>	
Current version	V2021.1
Supported Inventor versions	INV 2021 / 2020 / 2019 / 2018 (64Bit)
Available program types	<ul style="list-style-type: none"> <li>▪ Basic App: Freeware-AddIn with limited functionality</li> <li>▪ AddIn: Inspection of current Inventor Models</li> <li>▪ StandAlone: Batch inspection of multiple files or entire Project folders</li> <li>▪ Data Management Extension: Vault + JobServer-Integration</li> </ul>
Demo version available	Yes (Single user license, 30 Days AddIn)
Available license types	<ul style="list-style-type: none"> <li>▪ AddIn: Single seat license or Floating Network license (Basic module + variable License extension)</li> <li>▪ StandAlone: Single user license</li> <li>▪ Data Management Ext.: Single user or Floating Network license (Basic module + variable License extension)</li> </ul>
License verification	<ul style="list-style-type: none"> <li>▪ License file (Installation path configurable)</li> <li>▪ Admin Tool for License Viewing</li> </ul>
Subscription	Desktop-Subscription, Maintenance Subscription (optional), Duration 1 Jahr, incl. Support, Service-Packs, Updates)
Language versions	<ul style="list-style-type: none"> <li>▪ English</li> <li>▪ German</li> </ul>
Software documentation	<ul style="list-style-type: none"> <li>▪ PDF (Installation Guide, User Manual, What's New)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>▪ Setup for AddIn- / StandAlone-Version / Vault-Extension</li> </ul>
Program call	<ul style="list-style-type: none"> <li>▪ AddIn: Ribbon / Toolbar / Alias-Shortcut</li> <li>▪ StandAlone: Command line prompt / Dialog for file selection</li> </ul>
Check Results	<ul style="list-style-type: none"> <li>▪ Status Icons in Dialog window indicating Model quality</li> <li>▪ Reports with detailed comments</li> <li>▪ Custom iProperties indicating check results</li> <li>▪ Return-Codes indicating Error status (StandAlone-Version)</li> </ul>
Configuration options	<ul style="list-style-type: none"> <li>▪ Modeltype-specific "Out of the Box" Check Configurations</li> <li>▪ ConfigWizard for easy setup of individual Check configurations (optional customisation via text editor)</li> <li>▪ Selectable Check Configurations (e.g. Customer, Project, or Department specific)</li> <li>▪ flexible definition of iProperty default values</li> <li>▪ automatic, iProperty-driven Model Checks (optional)</li> <li>▪ Classification of detected deviations (Error / Warning / Notice)</li> <li>▪ Various Operators for flexible Specification of Check Options</li> <li>▪ Whitelist / Blacklist for filtered Model checks</li> <li>▪ Optional skip of specified Model components during inspection, e.g. Standard Parts, Library Parts, Released Components, 3D sketches, cross-section sketches or other specific Features</li> <li>▪ Selectable output formats for generated Reports</li> <li>▪ Adjustable Report contents (deviations / deviations + consistency)</li> <li>▪ Generating iProperties for indication of Check Result (deactivated if required)</li> <li>▪ Optional including of Company logos in Reports</li> <li>▪ Adjustable, multilingual Message-Files</li> <li>▪ Optional Hyperlinks to CAD-Guidelines</li> </ul>
Supported Report formats	<ul style="list-style-type: none"> <li>▪ HTML / MHTML</li> <li>▪ PDF / DOC (MS Word)</li> </ul>
Software producer	CAD SERVICES / <a href="http://www.services4cad.de">www.services4cad.de</a>
Your authorised distributor	

## Extract from Current scope of Check Options:

Check Option:	Check Option available for:			
	IPT	IAM	IDW/ DWG	Basic App
Part Material and Part Colour (optional comparison with specific default list or Material Library)	X			
Length and Weight unit used in a part	X			
Position of the first Fillet/Chamfer in Browser	X			
Monitoring of Radius and Chamfer features with identical values	X			
Check for corresponding flat pattern in Sheet-Metal-Part	X			
Check if all sketches are fully constrained (incl. optional exemptions)	X	X	X	X
Check if all sketches are used in parts	X	X		
Check for redundant points and lines in sketches	X			
Check for projected points, edges and faces in sketches, that are not derived from Main points, edges and faces	X			
Visibility of Work geometry in Part or Assembly	X	X		
Check for use of Emboss feature	X			
Check for wall thickness in feature Shell and Thicken	X			
Check for elements behind the End-Of-Part-Marker in the Browser	X	X		X
Maximum Number of elements in arrays in parts and assemblies	X	X		
Check of dependencies between parts and assemblies (Adaptivity)	X	X		
Check of unlinked references in parts, assemblies and drawings (optional Check of derived Components)	X	X		
Check of maximum number of elements in a sketch	X	X		
Check if weight calculation of parts and assemblies is up-to-date/positive/overwritten	X	X		
Visibility of Center of Gravity	X	X		
Check of valid Standards for used Standard parts	X	X		
Performance-Check (time for regeneration) for parts / assemblies	X	X		
Check for suppressed elements in part / assembly / drawing	X	X		
Check of the Inventor version used for saving a part / assembly / drawing	X	X	X	
Check of valid Filename / Displayname	X	X	X	
Check for Inventor Modelling-errors	X	X	X	
Check if Model is up-to-date	X	X	X	
Check for required Migration	X	X	X	
Check for empty parts, assemblies and drawings	X	X	X	
Check of file size regarding critical values (Min / Max)	X	X	X	
Check of default file Save path	X	X	X	
Check of required data formats for a model-file (e.g. DWF, PDF)	X	X	X	
Check of filled iProperties in parts, assemblies and drawings	X	X	X	X
Check for required Custom iProperties	X	X	X	
Check of iProperty values (Adjustment with default values, max. Stringlength)	X	X	X	X
Optional skip of released Data files	X	X	X	
Check of existing Work geometry in assembly		X		
Check of first part fixed in assembly		X		X
Check of multiple part fixed in assembly		X		
Check of remaining Degrees of Freedom in assembly (incl. optional exemptions)		X		
Check for features (e.g. holes) in assembly		X		
Check for Inventor Standard Parts in assembly		X		
Check for representations (Level of Detail)		X		
Check for inconsistent or redundant assembly constraints		X		X
Check if Weldung assembly is saved in state "Preparation", "Welds" or "Machining"		X		
Checking for deferred Updates of Drawing views			X	
Checking the number of referenced Models in drawing			X	
Usage of accurate Dimension styles, Text styles and Title blocks in drawing			X	
Check for mandatory Sketched Symbols in drawing			X	
Check if Sketched Symbols are up-to-date / used in drawing			X	
Check of Active Standard in drawing			X	
Check for shaded views or raster views in drawing			X	
Check for Inventor Parts lists inserted on drawing sheets			X	
Check for number of existing sheets or empty sheets in drawing			X	
Check for overwritten dimensions / dimension precision in drawing			X	
Check for overwritten Hole notes in drawing			X	
Check for overwritten tolerances in Model dimensions			X	
Check for dimensions without references to geometry			X	
Check for elements outside the drawing borders			X	
Check for complete number and content of balloons in Assembly drawing			X	
Check of Layer structure (Colour, Linetype, Lineweight)			X	
Check of actuality, fixed fields and headers of Parts list in drawing			X	
Check of inserted Revision tables			X	

additional Check Options on request, Customer specific requirements for additional Check options are explicitly encouraged