



INVENTOR QUALITY CHECK

Data Sheet

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|-------------------------------|--|
| Program specification: | |
| Current version | V2022.2 |
| Supported Inventor versions | INV 2022 / 2021 / 2020 / 2019 (64Bit) |
| Available program types | <ul style="list-style-type: none"> ▪ Basic App: Freeware-AddIn with limited functionality ▪ AddIn: Inspection of current Inventor Models ▪ StandAlone: Batch inspection of multiple files or entire Project folders ▪ Data Management Extension: Vault + JobServer-Integration |
| Demo version available | Yes (Single user license, 30 Days AddIn) |
| Available license types | <ul style="list-style-type: none"> ▪ AddIn: Single seat license or Floating Network license (Basic module + variable License extension) ▪ StandAlone: Single user license ▪ Data Management Ext.: Single user or Floating Network license (Basic module + variable License extension) |
| License verification | <ul style="list-style-type: none"> ▪ License file (Installation path configurable) ▪ Admin Tool for License Viewing |
| Subscription | Desktop-Subscription, Maintenance Subscription (optional), Duration 1 Jahr, incl. Support, Service-Packs, Updates) |
| Language versions | <ul style="list-style-type: none"> ▪ English ▪ German |
| Software documentation | <ul style="list-style-type: none"> ▪ PDF (Installation Guide, User Manual, What's New) |
| Installation | <ul style="list-style-type: none"> ▪ Setup for AddIn- / StandAlone-Version / Vault-Extension |
| Program call | <ul style="list-style-type: none"> ▪ AddIn: Ribbon / Toolbar / Alias-Shortcut ▪ StandAlone: Command line prompt / Dialog for file selection |
| Check Results | <ul style="list-style-type: none"> ▪ Status Icons in Dialog window indicating Model quality ▪ Reports with detailed comments ▪ Custom iProperties indicating check results ▪ Return-Codes indicating Error status (StandAlone-Version) |
| Configuration options | <ul style="list-style-type: none"> ▪ Modeltype-specific "Out of the Box" Check Configurations ▪ ConfigWizard for easy setup of individual Check configurations (optional customisation via text editor) ▪ Selectable Check Configurations (e.g. Customer, Project, or Department specific) ▪ flexible definition of iProperty default values ▪ automatic, iProperty-driven Model Checks (optional) ▪ Classification of detected deviations (Error / Warning / Notice) ▪ Various Operators for flexible Specification of Check Options ▪ Whitelist / Blacklist for filtered Model checks ▪ 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 ▪ Selectable output formats for generated Reports ▪ Adjustable Report contents (deviations / deviations + consistency) ▪ Generating iProperties for indication of Check Result (deactivated if required) ▪ Optional including of Company logos in Reports ▪ Adjustable, multilingual Message-Files ▪ Optional Hyperlinks to CAD-Guidelines |
| Supported Report formats | <ul style="list-style-type: none"> ▪ HTML / MHTML ▪ CSV ▪ PDF / DOC (MS Word) |
| Software producer | CAD SERVICES / www.services4cad.de |
| Your authorised distributor | |

Extract from Current scope of Check Options:

| Check Option: | Check Option available for: | | |
|---|-----------------------------|-----|-------------|
| | IPT | IAM | IDW/ DWG |
| 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 |
| 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 | |
| Maximum Number of elements in arrays in parts and assemblies | X | X | |
| Check of dependencies between parts and assemblies (Adaptivity) | 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 unlinked references incl. derived Components and third-party files | X | 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, 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 |
| Check for required Custom iProperties | X | X | X |
| Check of iProperty values (Adjustment with default values, max. Stringlength) | 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 | |
| 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 | |
| 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 existing centre axes or centre point markings in drawing views | | | 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