

INSPECTION 2020 FEATURE MATRIX

Feature	Feature	Inspection Standard	Inspection Professional
Improved and Streamlined Inspection Workflows	Leverage the SOLIDWORKS add-in or the dedicated standalone application to create detailed inspection reports regardless of the workflow.	●	●
PDF/TIFF File Support	Extract characteristic information from 2D PDF (including encrypted documents) and TIFF Files.	●	●
DXF/DWG File Support	Create inspection projects directly from native DXF/DWG files.	●	●
SOLIDWORKS Drawing File Support	Quickly balloon and create inspection reports from SOLIDWORKS Drawings.	●	●
Optical Character Recognition	When working with a PDF file or TIFF image, SOLIDWORKS Inspection can leverage Optical Character Recognition (OCR) to read and identify the nominal dimension, plus and minus tolerances and the type of dimension (such as diametric or linear.) This helps you to virtually eliminate manual input and reduce errors. It works with horizontal and vertical dimensions, split dimensions, notes, hole callouts, finish symbols and Geometric Dimensioning and Tolerancing (GD&T) symbols.	●	●
Automatic Ballooning	Automatically extract and balloon inspection dimensions from 2D and 3D CAD files and specific PDF documents.	●	●
Customize Inspection Reports	Create and manage the Bill of Characteristics (BOCs), change the ordering and edit the numbering or group/ungroup characteristics. Define tolerance tables to standardize inspection reports and requirements.	●	●
Ballooned Drawing Appearance	Customize the inspection bubble shapes, color and size. Define presets and apply styles based on parameters such as criticality or inspection method. Adjust balloon's placement.	●	●
PDF Drawing Comparison and 2D/3D Revision Management	Compare drawings, 2D or 3D CAD files' revisions to quickly identify changes and update quality project.	●	●
Quality Sampling Plans	Effectively plan quality control by defining Acceptance Quality Limit (AQL) and calculating sample size, accept and reject criteria.	●	●
Quality Systems Integration	Export inspection data to quality systems and databases using CSV or XML output formats. Publish directly to Net-Inspect.	●	●
File Management	SOLIDWORKS Inspection integrates with SOLIDWORKS PDM and enables quality managers to manage project information, control design revisions, deliverables, etc.	●	●
Inspection Reports	Export finished ballooned drawings as PDFs or 3D PDFs (when working with 3D CAD files). Export inspection reports to Microsoft® Excel® spreadsheets using standard templates such as AS9102 or Production Part Approval Process (PPAP) forms or customized Excel templates.	●	●
SOLIDWORKS Part/Assembly File Support	Leverage SOLIDWORKS Parts and Assemblies with Product and Manufacturing Information (PMI) to streamline the creation of inspection reports.		●
2D/3D CAD File Support	Open and extract information from other 2D/3D CAD files to create your inspection reports.		●
Inspection Measurements	Enter measured values for each characteristic directly into an inspection project either manually or by using a digital caliper. Import results from Coordinate Measuring Machine (CMM).		●
Graphical Pass/Fail Status	Highlight dimensions in green, red or yellow to easily identify which dimensions are In Tolerance, Out of Tolerance or Marginally within Tolerance based on the values entered or imported CMM results.		●