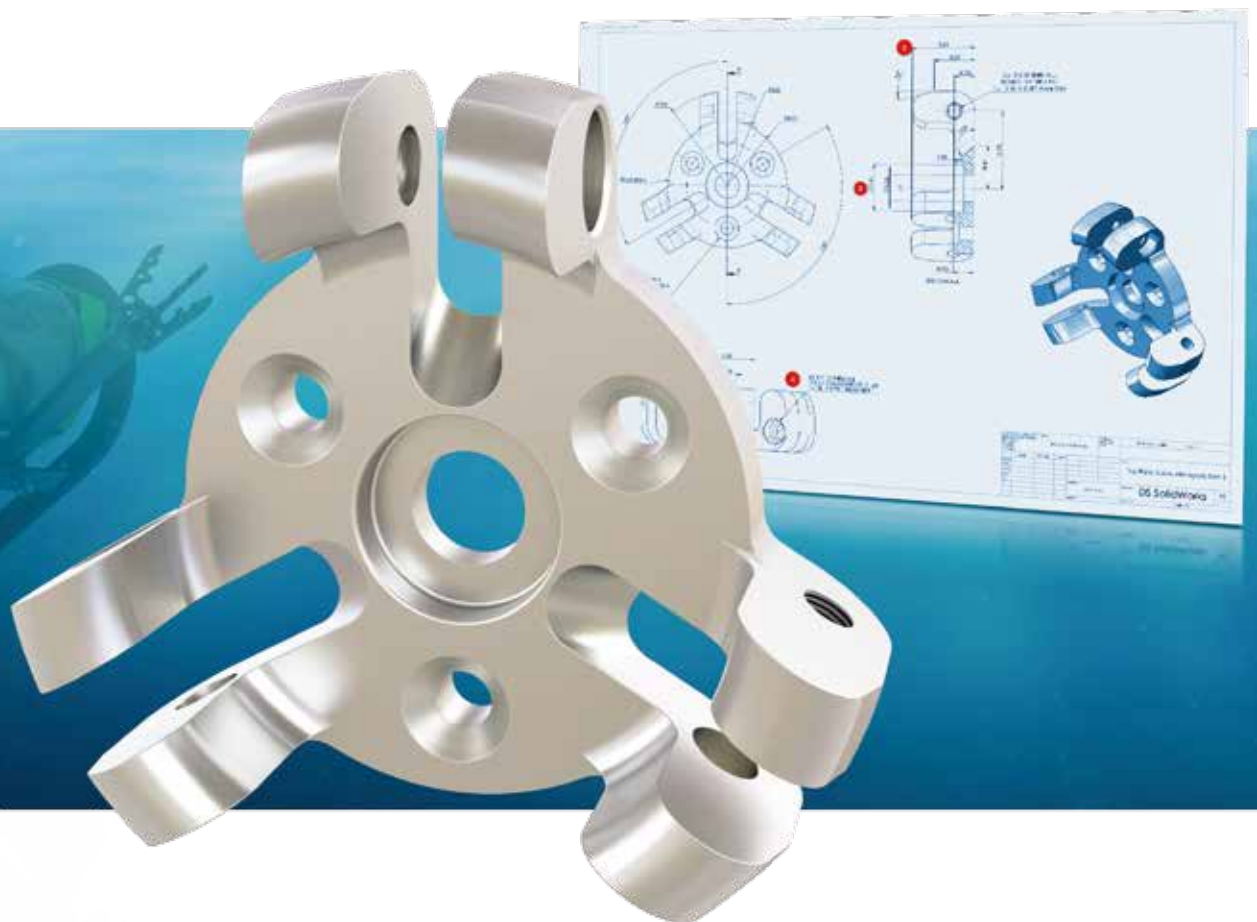


SOLIDWORKS INSPECTION

AUTOMATED CREATION OF INSPECTION DRAWINGS AND REPORTS



SIMPLIFY DOCUMENT CREATION TO HELP STREAMLINE PART INSPECTION AND IMPROVE QUALITY

Your commitment to quality should not negatively impact your business. You could waste hours every day manually creating documentation for quality inspection. SOLIDWORKS® Inspection helps simplify the process of creating inspection documents and performing in-process or receiving inspection.

Intuitive and easy-to-use, SOLIDWORKS Inspection helps streamline the creation of documents with balloon callouts and specifications by leveraging existing 2D legacy data regardless of file type—SOLIDWORKS files, PDFs, or TIFFs—and automating a manual and tedious process. Measured inspection values can be entered directly, either manually or

automatically, using a digital measuring instrument (such as a USB caliper). SOLIDWORKS Inspection helps designers and quality inspectors virtually eliminate errors, improve time-to-market, and ensure parts are within specifications for improved quality and optimized fit and function.

STREAMLINE YOUR QUALITY INSPECTION PROCESSES

Company quality departments are tasked with carrying out the quality inspection process. This often involves the creation of documents such as drawings with balloon callouts, reports for use during inspection, or additional deliverables required with parts.

This time consuming task is usually the responsibility of designers, engineers, and quality inspectors who can spend hours every day manually creating all these documents. Hundreds of characteristics, dimensions, tolerances, and notes have to be manually entered into a Microsoft® Excel® spreadsheet.

In addition, this redundant process is prone to human transcription error that can be costly over time or even jeopardize your quality commitments and certifications.

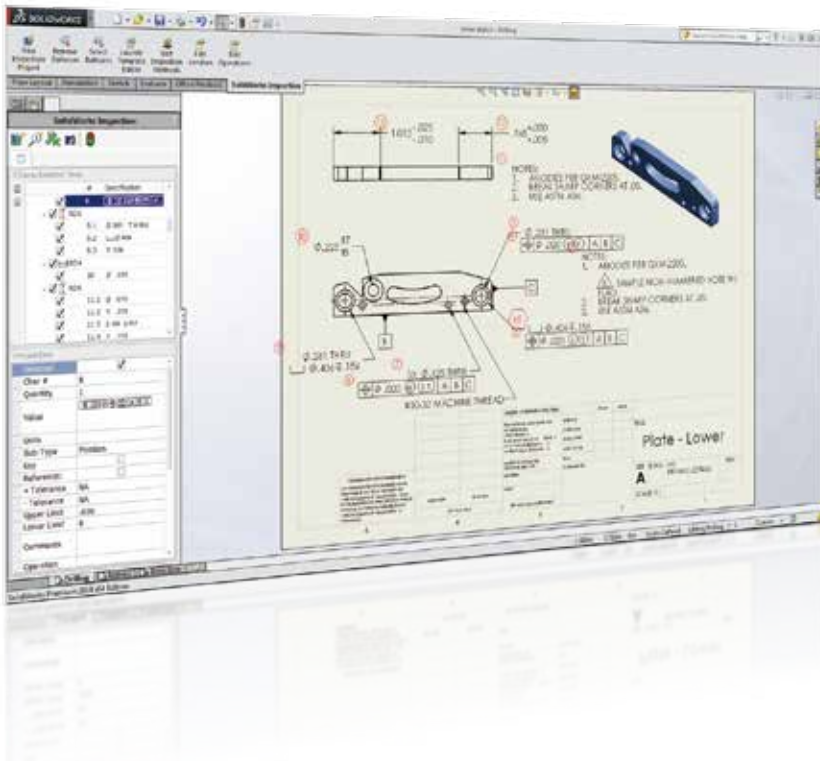
Any changes to the model by an engineer or customer can cause drawing revisions that require quality inspectors to redo the work and input all the characteristics again.

SOLIDWORKS Inspection streamlines your inspection processes by automating the creation of balloons on engineering drawings, and the creation of inspection data sheets and reports. Sequentially numbered balloons are applied automatically to help you keep track of the dimensions and characteristics to inspect. Accurate bubbled prints and inspection sheets are generated in just minutes. With SOLIDWORKS Inspection, companies have reduced the time to create First Article Inspection packages by up to 90 percent.

OPTICAL CHARACTER RECOGNITION (OCR)

In many companies, engineering drawings arrive in PDF or TIFF formats. In these cases SOLIDWORKS Inspection uses 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), helping 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.

This means you can create your inspection documents regardless of your existing CAD system using the included standalone version of SOLIDWORKS Inspection.



First Article Inspection Report
Form 3 Characteristic Accountability, Verification and Compatibility

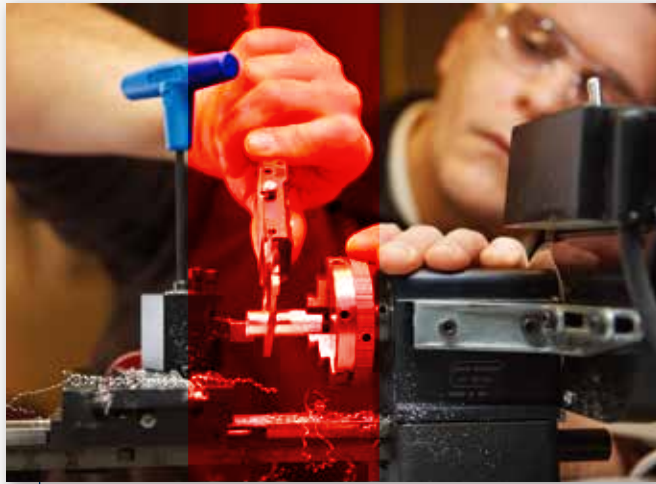
Part Number		DESCRIPTION		PLATE - LOWER		Inspection 1	
Char No.	A. Reference Location	B. Characteristic Description	C. Requirement	Min. Value	Max. Value	Actual	Pass/Fail
1	Lower Plate - A1	FIN	ANODIZE BLUE PER #12-05				
2	Lower Plate - A2	FIN	BRINE ALL SHARP EDGES TO A2				
3	Lower Plate - A3	FORM	RESPECT FOR #10-0250				
4	Lower Plate - A4	GEOM	0.15	0	0.30		
5	Lower Plate - A5	GEOM	0.15	0	0.30		
6	Lower Plate - A6	GEOM	0.50	0	1.00		
7	Lower Plate - A7	GEOM	0.50	0	1.00		
8	Lower Plate - A8	FIN	0.15	0	0.30		
9	Lower Plate - A9	FIN	0.15	0	0.30		
10	Lower Plate - A10	FIN	0.15	0	0.30		
11	Lower Plate - A11	FIN	0.15	0	0.30		
12	Lower Plate - A12	FIN	0.15	0	0.30		
13	Lower Plate - A13	FIN	0.15	0	0.30		
14	Lower Plate - A14	FIN	0.15	0	0.30		
15	Lower Plate - A15	FIN	0.15	0	0.30		
16	Lower Plate - A16	FIN	0.15	0	0.30		
17	Lower Plate - A17	FIN	0.15	0	0.30		
18	Lower Plate - A18	FIN	0.15	0	0.30		
19	Lower Plate - A19	FIN	0.15	0	0.30		
20	Lower Plate - A20	FIN	0.15	0	0.30		
21	Lower Plate - A21	FIN	0.15	0	0.30		
22	Lower Plate - A22	FIN	0.15	0	0.30		
23	Lower Plate - A23	FIN	0.15	0	0.30		
24	Lower Plate - A24	FIN	0.15	0	0.30		
25	Lower Plate - A25	FIN	0.15	0	0.30		
26	Lower Plate - A26	FIN	0.15	0	0.30		
27	Lower Plate - A27	FIN	0.15	0	0.30		
28	Lower Plate - A28	FIN	0.15	0	0.30		
29	Lower Plate - A29	FIN	0.15	0	0.30		
30	Lower Plate - A30	FIN	0.15	0	0.30		

The signature indicates that all characteristics are accounted for, meet drawing requirements or are properly accounted for disposition.

13. Prepared by:

“With SOLIDWORKS Inspection at the most it would take us five minutes to create an inspection sheet. Without the software, it would have taken a technician one day to create that same inspection sheet.”

— PBC Linear



SOLIDWORKS Inspection provides flexibility by allowing quality engineers and inspectors to directly type in measured values, use a digital caliper, or import results from a coordinate measuring machine (CMM).

REDUCE TIME -TO-MARKET

SOLIDWORKS Inspection helps drastically reduce the time needed to generate inspection reports. In just a few clicks, you can create industry-compliant inspection reports (such as AS9102, PPAP, ISO 13485) or use the powerful template editor to develop a report that matches your company's needs.

In addition, SOLIDWORKS Inspection helps avoid errors and inconsistencies traditionally associated with manual data input.

You can save time, lower costs, and win more business by eliminating the bottlenecks in quality inspection and increasing throughput in manufacturing.

HELP IMPROVE PRODUCT QUALITY AND SAVE MONEY

Inspection documents can help your company significantly improve its manufacturing processes, reduce scrap, cut time-to-market, and improve product quality and reliability.

Because SOLIDWORKS Inspection is easy to use, integrated with SOLIDWORKS CAD, and available as a standalone application to work with your existing CAD system, you can easily deploy it, train your quality department, and start to optimize your inspection and quality processes.

Production Part Approval
DIMENSIONAL TEST RESULTS

Item	Description/Dimension	Standard/Units	Tol/Dev	Dis-Tol/Dev	Operational Measurement Results/Dev	OK	Fail	QA
11	NOTES							
12	1. ROUNDZE SLUG PER XYZ-30.							
13	2. BREAK ALL SHARP EDGES TO 0.5							
14	3. INSPECT PER XYZ-1005							
1	Ø 0.001	in	0.002	0				
2	Ø 0.00	in	0.00	0.01				
3	Ø 0.00	in	0.00	0.01				
4	Ø 0.00	in	0.00	0.01				
5	Ø 0.00	in	0.00	0				
6	Ø 0.00	in	0.00	0.005				
7	Ø 0.00	in	0.005	0.005				
8	Ø 0.00	in	0.005	0.005				
9	Ø 0.00	in	0.005	0.005				
10	Ø 0.00	in	0.005	0				
11	Ø 0.00	in	0.00	0.01				
12	Ø 0.00	in	0.01	0.01				
13	Ø 0.00	in	0.005	0.005				
14	Ø 0.00	in	0.005	0.005				
15	Ø 0.00	in	0.005	0.005				
16	Ø 0.00	in	0.005	0.005				
17	Ø 0.00	in	0.005	0.005				
18	Ø 0.00	in	0.005	0.005				
19	Ø 0.00	in	0.005	0.005				
20	Ø 0.00	in	0.005	0.005				
21	Ø 0.00	in	0.005	0.005				
22	Ø 0.00	in	0.005	0.005				



Characteristics are automatically highlighted in green, red, or yellow to instantly show which are in tolerance, out of tolerance, or marginally within tolerance.

SOLIDWORKS PRODUCT DEVELOPMENT SOLUTION

SOLIDWORKS software provides users with an intuitive 3D development environment that helps maximize the productivity of your design and engineering resources to create better products faster, and more cost-effectively.

SYSTEM REQUIREMENTS

- Windows[®] 7 (preferably x64) or Windows 8
- 2 GB RAM minimum (8 to 16 GB RAM recommended)
- 50 GB disk space free (minimum)
- SOLIDWORKS-Certified graphics card
- Intel[®] or AMD[®] processor (4 to 8 cores recommended)
- Broadband Internet connection
- Microsoft Excel and Word (for reporting and exporting)



3DEXPERIENCE



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