



SolidWorks to 3D PDF

## IPA Publish3D Add-In For SolidWorks How To Publish Interactive 3D PDF Files

- **Methods**
  - Method 1 – SolidWorks & IPA Publish3D automated PDF generation
  - Method 2 – SolidWorks & IPA Publish3D automation plus existing documentation
  
- **Software requirements:**
  - IPA v8.1
  - SolidWorks
  - Adobe Acrobat 7.0
  - Microsoft Word

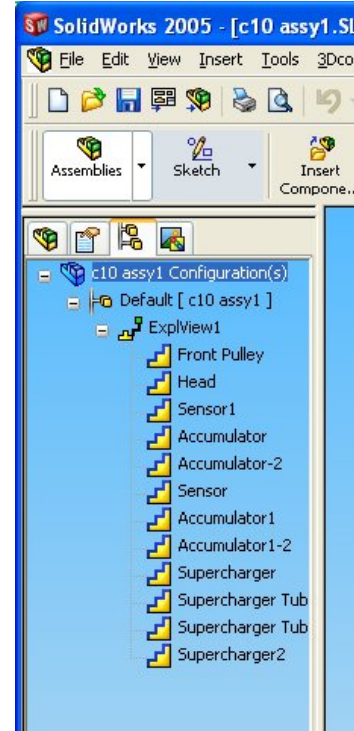


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## Method 1: IPA automated PDF generation

*Create and publish an interactive assembly animation*

- Open an assembly in SolidWorks.
- Create an exploded view in the Configuration Manager so that the explode steps model a disassembly procedure.



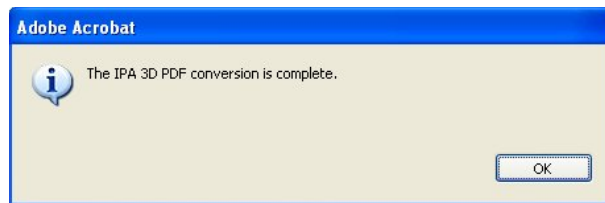


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- Invoke the IPA->Publish3d Wizard... command and fill in the necessary information in each page.



- After you click Finish in the Wizard, wait until you see a dialog to appear stating that the process is complete. You may have to click on a “Switch To” dialog button once or twice during the process as both Adobe Acrobat and SolidWorks pass information back and forth.



- To access the 3D viewer, click on the image on either the Parts List page or the Instructions page. The part names and instruction text are linked to the 3D view. A right mouse click in the 3D view will bring up a menu of available commands.



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## Method 2: Using existing documentation

IPA also allows you to 3D enhance your existing documentation. When IPA creates an interactive PDF document (method 2), three Microsoft Word documents are generated as intermediate files that may be imported or linked into your existing Word or Framemaker files. In Word, when you use the Insert->File command to insert either the IPA generated bom.doc or instructions.doc file, your existing document will contain all the necessary information to generate the interactive 3D PDF file.

### Convert a Microsoft Word document to a 3D PDF file

- Browse to and open MS Word document ( "PDF test.doc" ) that you have just created.
- Click on the Convert to PDF toolbar button or use the Adobe PDF->Convert to PDF menu command. Note: Do not use the File-Print command for this step. If you just use Acrobat as a printer with the File->Print command, the necessary links in the MS Word document will not be converted when the PDF file is generated.
- After the PDF document is created, in Acrobat, you will need to run the Advanced->IPA 3D Tools-> IPA 3D PDF Convert command. The conversion tool will insert the 3D file and link up the text to the 3D view.

