



solidxperts

TOOLSXPERTS

SOLIDWORKS TOOL SUITE



Table of contents

Introduction	2
PrintXperts.....	2
PropXperts.....	3
CutXperts	3
BeamCutXperts.....	4
MatchPropXperts.....	4
SaveXperts.....	5
Scale	5
Explode configurations.....	5
ColorXperts.....	6
ReferencesXperts.....	6
Quantity Report	7
ReportXperts Plus.....	7
TasksXperts.....	8
Automatic creation of drawings.....	8



Introduction

The **ToolsXperts** consists of a series of utilities developed exclusively by the SolidXperts programming team. These utilities integrate seamlessly into the SOLIDWORKS user interface and are used to automate certain design tasks and simplify others that are generated repetitively on a daily basis.

There is also a tool suite for SOLIDWORKS PDM Professional called PDMXperts Tools, which consists of a dozen of PDM-specific tools. Learn more about this other productivity tool suite.

PrintXperts

PrintXperts allows you to print a list of drawings with automatic paper size detection. You can create a list of drawings from an assembly or a BOM. You can also create your own list.

BENEFITS:

- No need to open drawings one by one to print them.
- No need to search for your part drawings. Select the assembly or BOM, and ImpressionXperts does the rest.
- Print to a laser printer or plotter without manually changing the layout or printer preferences.
- Save your print lists to output drawings for recurring projects.

AN ESSENTIAL TOOL FOR ALL USERS WHO PRINT DRAWINGS

PropXperts

This tool allows you to manage custom properties in SOLIDWORKS files, either individually or in batches. **PropXperts - PropertyManager** offers an integrated interface in which your fields and default values are provided, including automatic detection of the current user.

PropXperts - Batch Process allows you to create or modify properties in batches, including a Find/Replace functionality. It is also possible to rename properties in batches.

BENEFITS:

- Ability to insert your properties one part at a time or in batches.
- Automatic creation of certain parameters (e.g., user name).
- Selection from a defined list.
- Automatic merging of different parameters.
- Several options available to facilitate property creation.

AN ESSENTIAL TOOL FOR ALL USERS WHO WORK WITH PROPERTIES

CutXperts

CutXperts produces a series of DWG/DXF files in 1:1 format, without dimensions or title blocks, ready for manufacturing using laser cutting, torch cutting, etc. Each type of operation can be placed on a separate layer, with user-managed parameters. A quantity report is also provided at the end of the process. CutXperts works with sheet metal and standard parts (plates, furniture panels, etc.).

BENEFITS:

- Create flattened parts from a part, an assembly, or a series of files.
- No drawings required.
- Export to different predefined layers to facilitate manufacturing (external contour, internal contour, etc.).
- Ability to filter exports by production type (laser, cutting, etc.).
- Options available for managing the export name and folder.

ESSENTIAL TOOL FOR THE SHEET METAL, MACHINING OR CABINETMAKING INDUSTRY

BeamCutXperts

BeamCutXperts allows you to obtain a list of full-length beams required for a project. This tool uses data from weldment tables and assembly BOMs. The tool optimizes beam segments.

BENEFITS:

- Automatic creation of the cut list from the weldment table or an assembly BOM (e.g., pipe routing).
- Optimization of your elements with waste display.
- Automatic creation of your database from SOLIDWORKS weldment profiles or your own profiles.

AN ESSENTIAL TOOL FOR CUSTOMERS USING STRUCTURAL ELEMENTS IN THEIR DESIGNS

MatchPropXperts

MatchPropXperts is a tool that allows you to retrieve information from an object and propagate it to other objects. For example, consider a dimension with specific tolerances and precision. MatchPropXperts can be used to copy only the tolerances.

BENEFITS:

- Similar to Microsoft Word's paintbrush tool.
- Retrieves and applies information from one dimension to another.
- Retrieves and applies properties from one part to another.
- Retrieves and applies properties from one assembly component to another.
- Filters can be set to apply only what is needed.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS USING SOLIDWORKS

SaveXperts

SaveXperts lets you batch save SOLIDWORKS files to other formats: DWG, eDrawings, PDF, etc. It also lets you edit SOLIDWORKS files to change the unit, material, display quality, reload the sheet format, and more.

BENEFITS:

- Batch save a list of files without having to open them one by one.
- Save in SOLIDWORKS, DWG, PDF, eDrawings, etc.
- Export to multiple formats in a single operation.

AN ESSENTIAL TOOL FOR ALL SOLIDWORKS CUSTOMERS

Scale

Scale is a tool that allows you to quickly scale a part that has been modeled in the wrong size. It updates all dimensions with a single click. This tool also allows you to change the scale of an imported assembly (STEP, ACIS, etc.).

BENEFITS:

- With one click, the tool scales all dimensions.
- Works on parts modeled in SOLIDWORKS or imported from other software.
- Also applies to assemblies, to change the scale of all parts.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS USING SOLIDWORKS

Explode configurations

This tool allows you to split a document containing multiple configurations into separate documents, each containing a single configuration.

BENEFITS:

- Allows you to quickly produce libraries using the power of configurations without their drawbacks.
- Ideal for using source files that will produce multiple independent projects.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS WHO USE DESIGN TABLES

ColorXperts

ColorXperts lets you manage color in parts. You can replace one color with another or remove all colors. You can also select all faces of the same color.

BENEFITS:

- Facilitates the management of colors applied to a part.
- Removes colors applied at different levels with a single click.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS USING COLORS IN SOLIDWORKS

ReferencesXperts

The **ReferenceXperts** tool allows you to copy an assembly and its references, including drawings and appearances (textures). It's similar to the Pack&Go feature, but with a different approach and some additional features.

BENEFITS:

- Preview of the final result.
- Edit custom properties during processing.
- Use rules for editing.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS WHO REUSE PROJECTS OR MODIFY THEIR FILE STRUCTURE



Quantity Report

This tool provides a flat list of all components of an assembly, including all subassemblies and parts. The total of each component, at all levels, is displayed.

BENEFITS:

- Creates a report in a way that does not exist with regular SOLIDWORKS BOMs.
- Options to exclude files based on properties or location.
- Ability to create multiple report types.
- Ability to use your own document templates.
- Can include solid bodies.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS USING ASSEMBLIES AND BOMs

ReportXperts Plus

This tool generates a report that lists all files, their configurations, and their properties. It is possible to modify the information in the report and update SOLIDWORKS files based on these changes.

TasksXperts

This tool allows you to manage actions that will be performed in the background. For example, you can run a macro every time a change is made to a part or assembly. Another example would be to create a PDF every time a drawing is saved.

TasksXperts also allows you to set a deactivation reminder when closing SOLIDWORKS. This feature is useful for sharing a license between colleagues or for sharing it between the office and home.

BENEFITS:

- Actions performed in the background without manual user action.
- Get the sheet metal gauge to a property.
- Ability to update the drawing title block with the property values that are in the body displayed on the sheet.
- Copy material properties to the document properties.
- SOLIDWORKS license deactivation reminder when closing.
- Automatic macro execution.

ESSENTIAL TOOL FOR ALL CUSTOMERS USING SOLIDWORKS

Automatic creation of drawings

This feature is available through the SaveXperts tool. Simply create different drawing templates, since the views to be created are not the same for parts, assemblies, and weldments. Then, simply create a list of 3D files and start processing.

BENEFITS:

- Support for regular parts, sheet metal parts (folded and flat views), and assemblies.
- Support for multibody parts.
- Automatic BOM insertion.
- Automatic front view detection.
- Ability to manage the names of the generated drawings.

AN ESSENTIAL TOOL FOR ALL CUSTOMERS WHO CREATE DRAWINGS