



CIM  TOOLS

¿WHAT IS CIMTOOLS SOFTWARE?

CIMTOOLS is a set of support tools for the SOLIDWORKS software developed by CIMWORKS, based on the needs and suggestions of users.

CIMTOOLS Benefits

- Speed up the process! **Maximize efficiency** and avoid unnecessary clicks.
- **Simplify.** Embrace new features and experiment. **CIMTOOLS** design tools can be your best ally.
- **Stay ahead!** Use the latest functionalities to reach new heights and **surpass limits.**
- **Organization is key.** Good document management will lead you to the top.
- **Automate!** Save time and **maximize** your **skills.**



**REDUCE
TIME
DESIGN**



**DECREASE
ERRORS**



**UNIFY
CRITERIA**



**AUTOMATE
TASKS**

What can you do with CIMTOOLS?

TO FACILITATE YOUR CHOICE, WE HAVE DIVIDED THEM
INTO TWO CATEGORIES: **BASIC AND PREMIUM**

➤ **BASIC Functionalities:**

SO / SAVE / CLOSE



Smart Closing Function: Closes documents without additional messages. Saves and closes edited documents with an **isometric view** and closes documents in read-only mode without saving changes.

OPEN FILE LOCATION



Quick access to the **file location**: opens the folder of the current file or the selected **component** in assemblies or drawings.

QUICK PDF



Efficiently converts drawings of part or assembly documents, or the selected component in an **assembly**, into **PDF**. If the active document is a drawing, it generates the corresponding single **PDF** with all sheets or a **PDF** per sheet if necessary.

OPEN DOCUMENT DRAWING



Opens the plane of the active configuration of the **current document** (whether part or assembly), or the drawing of the **selected component** in an assembly in the configuration used in that assembly.

SEPARATE CONFIGURATIONS



Divides and saves each configuration of the active part/assembly into separate files, **automatically** generating the corresponding drawing for each one.

UNFOLD SHEET METAL



Exclusively for **sheet metal parts**, creates sub-configurations containing the unfolded sheet for each part configuration, **simplifying this task** and saving time.

CENTER COMPONENT AT ORIGIN



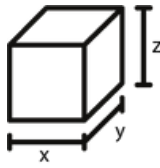
Places a selected part or subassembly at the origin of the main assembly, automatically aligning its primary reference planes. **Saves time** by automatically establishing **positional relationships** between the main assembly and the part/subassembly file.

PRINT DRAWINGS



Facilitates the printing of drawings of parts from an active assembly through printers configured on the equipment. Additionally, offers the option to **export to PDF or DWG** simultaneously during printing.

CALCULATE VOLUME



Calculates the maximum volume of a part/assembly for packaging planning. Creates an enveloping **3D Sketch** and adds its dimensions to the custom properties of the configuration.

OPEN DRAWING DOCUMENT



Quick access to the drawing document: saves time by **quickly opening** the document (part/assembly) related to the active drawing and **activating** the referenced configuration in the drawing view.

CHANGE DRAWING VIEWS



Changes all **views of a drawing** to the selected configuration of the **reference model**, simplifying the creation of drawings for different model configurations and **saving time**.

EXPORT SHEET METALS FILES



Facilitates the export of sheet metal parts from assemblies to ***.dxf or *.dwg** formats, without manually searching for them. **Automatically detects** these parts and generates a complete XML listing with detailed information, including material, thickness, quantity, and dimensions. **Offers multiple export options**, such as the unfolded drawing, the 1:1 scale DWG file, the three drawing views, and the **SOLIDWORKS** drawing itself with dimensions. Significantly streamlines the preparation of lists for suppliers and component production for **laser cutting and bending**.

FACE AREA



Calculates the area of a face or a set of selected faces of a **SOLIDWORKS** part and inserts the value into a property (you can choose to insert it into General Property or Configuration Specific). Using this function, you can **quickly** obtain the area to be painted, the wet surface, or the total surface to apply a treatment and insert it into an **LDM or ERP**.

COPY BREADCRUMBS



Quickly obtain the **full breadcrumbs** of active **SOLIDWORKS** documents or specific components within an assembly. With just a few clicks, you can copy these paths to the Windows clipboard, facilitating their use in other applications or for **file organization**.

SELECT SUPPRESSED COMPONENTS



Automatically identifies and selects all components currently suppressed within one or multiple configurations of an assembly. With just one click, the function will select those top-level assembly elements that are suppressed in the **SOLIDWORKS Feature Manager**.

REMOVE DANGLING DIMENSIONS



Automatically identifies and removes all dangling dimensions present in a **SOLIDWORKS** drawing. A dangling dimension refers to a dimension that no longer has a valid reference to the drawing geometry, which can occur due to model changes or entity deletions. These dimensions not only cause confusion but can also negatively affect the clarity and accuracy of engineering drawings. The function **removes dangling dimensions** from the active drawing sheet and allows removing all dangling dimensions from other sheets if any.

What about the PREMIUM version?

THE PREMIUM VERSION NOT ONLY COVERS ALL THE FUNCTIONALITIES OF THE BASIC MODE, BUT ALSO INCORPORATES A SERIAL OF ADDITIONAL FEATURES THAT TAKE YOUR PROCESSES AT A HIGHER LEVEL OF AUTOMATION

► Funcionalidades PREMIUM:

EXPORT TOOL: IGS, STEP, DXF, PNG, PDF...



The main function is to **automatically and massively export** the active document to several output formats simultaneously. You can organise the export by project folders, active documents or open documents. In addition, it detects drawings and allows you to generate **PDF or DXF** of the drawings associated with the documents if necessary.

EXPORT TO HTML



Allows **exporting documents** (part/assembly) to **HTML files** to view them in a web browser without needing an additional viewer, **simplifying the visualization** of components or assemblies.

EXPORT TO AUGMENTED REALITY



Exports documents (part/assembly) to **HTML** files to view them in a web browser, without requiring additional viewers. Offers the capability to experience **Augmented Reality** and links the document drawing to the same browser. Additionally, replicates the **Feature Manager** in the browser for a more interactive experience, with access to all assembly components.

QR CODE GENERATOR



Facilitates the creation of **QR codes** and their insertion into drawings. You can associate the **model's property information** with the code or add custom text, streamlining **data management** for manufacturing orders and projects.

DRAWING FORMAT CHANGE



A macro exclusive to the **CIMTOOLS add-in**, designed to optimize and standardize drawing document management. This tool allows **mass format changes**, adapting to various sheet sizes according to preset configurations, improving **efficiency and consistency** in project presentation. Ideal for engineers and designers looking to automate and refine their **SOLIDWORKS** workflows.

PROPERTYTOOLS: ADVANCED MANAGEMENT OF SOLIDWORKS PROPERTIES



Enhances the management of **SOLIDWORKS** document properties, including part files (.sldprt) and assemblies (.sldasm). This tool **facilitates mass editing, addition, and automation** of properties, allowing you to save time and improve data consistency in your **SOLIDWORKS** projects.

CIMTOOLS	BASIC	PREMIUM
EXPORT TOOL: IGS, STEP, DXF, PNG, PDF...	✗	✓
EXPORT TO HTML	✗	✓
EXPORT TO AUGMENTED REALITY	✗	✓
QR CODE GENERATOR	✗	✓
DRAWING FORMAT CHANGE	✗	✓
PROPERTYTOOLS: ADVANCED MANAGEMENT OF SOLIDWORKS PROPERTIES	✗	✓
ISO / SAVE / CLOSE	✓	✓
OPEN FILE LOCATION	✓	✓
QUICKLY PDF	✓	✓
OPEN DOCUMENT DRAWING	✓	✓
SEPARATE CONFIGURATIONS	✓	✓
UNFOLD SHEET METAL	✓	✓
CENTER COMPONENT AT ORIGIN	✓	✓
PRINT DRAWINGS	✓	✓
CALCULATE VOLUME	✓	✓
OPEN DRAWING DOCUMENT	✓	✓

CIMTOOLS	BASIC	PREMIUM
CHANGE DRAWING VIEWS	✓	✓
EXPORT SHEET METAL FILES	✓	✓
FACE AREA	✓	✓
COPY BREADCRUMBS	✓	✓
SELECT SUPPRESSED COMPONENTS	✓	✓
REMOVE DANGLING DIMESIONS	✓	✓

Want to know more?

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