

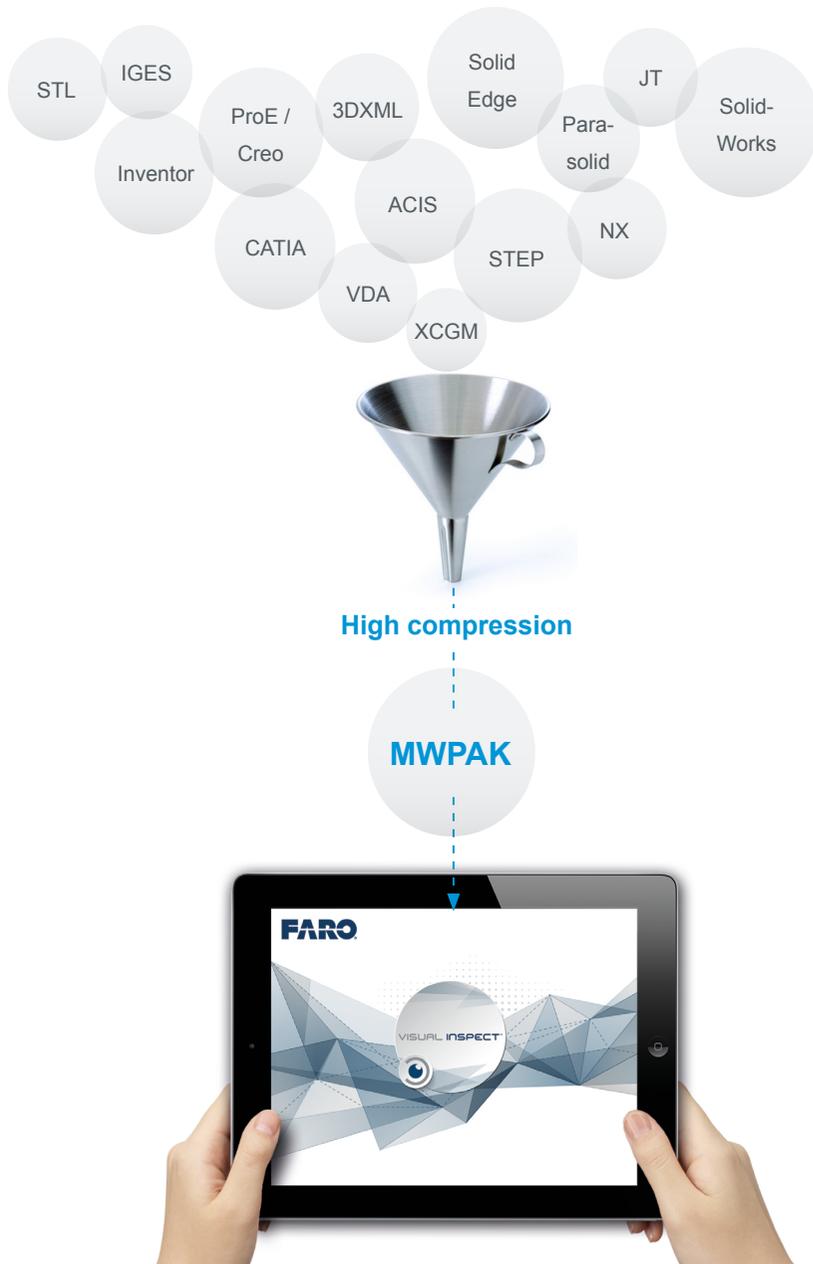
**FARO**<sup>®</sup>



**VISUAL INSPECT**<sup>™</sup>  
Manual  
Visual Inspect CAD Translator

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## 1. Supported file formats



The VISUAL INSPECT CAD TRANSLATOR is an innovative and simple compression tool. It generates MwPAK data including all information concerning geometry and (if available) product structure.

The following table shows the file formats supported by VISUAL INSPECT CAD TRANSLATOR.

File format	File extension	File version
3DXML	*.3dxml	v4.3
ACIS	*.sat, *.sab, *.asat, *.asab	R1 - 2017 1.0
CATIA V4	*.model, *.exp, *.session	4.1.9 - 4.2.4
CATIA V5	*.CATPart, *.CATProduct, *.CGR	V5R8 - V5-6R2017
3DExperience (CATIA V6)	*.CATPart, *.CATProduct, *.CGR, *.3DXML	Up to V6 R2017x
IGES	*.igs, *.iges	Up to 5.3
Inventor	*.ipt (V6-V2017) *.iam (V11-V2017)	V6-V2017 V11 - 2017
JT	*.jt	JT 8.x and 9.x
NX	*.prt	11-NX 11
Parasolid	*.x_t, *.xmt_txt, *.x_b, *.xmt_bin, *.p_b, *.xmp_bin, *.p_t, *.xmp_txt	9.0 - 29.0.137
ProE / Creo	*.prt, *.prt.*, *.asm, *.asm.*	16 - Creo 4.0
Solid Edge	*.par, *.asm, *.psm	V18 - ST9
SolidWorks	*.sldprt, *.sldasm	98 - 2017
STEP	*.stp, *.step	AR203, AP214, AR242
STL	*.stl	All versions
VDA-FS	*.vda	1.0-2.0
XCGM	*.xcgm	R2012 - 2017 1.1

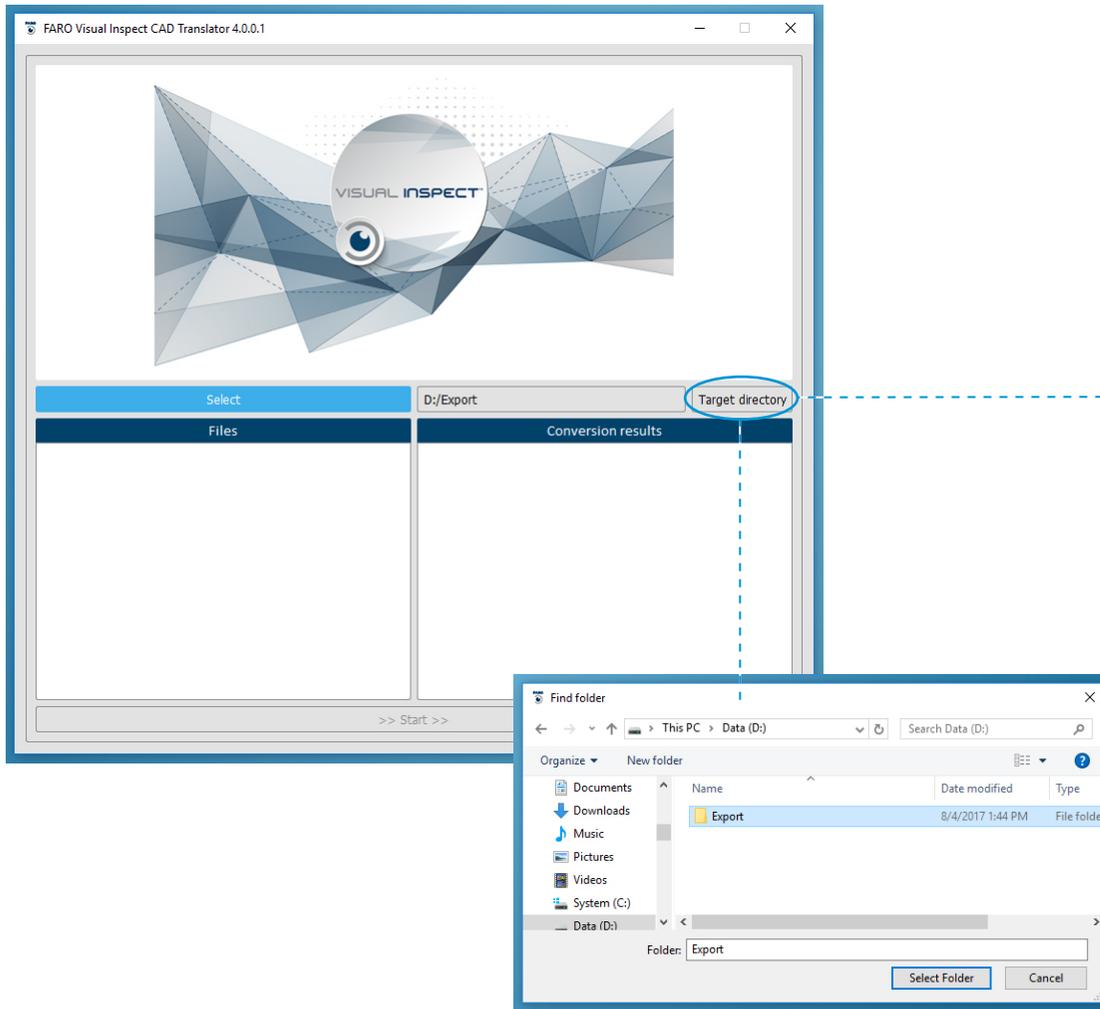
## 2. Preparation

After starting the VISUAL INSPECT CAD TRANSLATOR, you see the main window of the software, which consists of two sections on the bottom:

- The FILES section on the left side shows your source files; that means the files you want to convert.
- The CONVERSION RESULTS section on the right side shows the target files; that means the files resulting from the conversion.

You may want to change the default TARGET DIRECTORY. This is the directory where the converted files will be saved.

**Click the TARGET DIRECTORY command to open a file browser.** Browse to the desired folder and click SELECT FOLDER to define the target directory. You can see the selected path in the text field on the left of the TARGET DIRECTORY command.



### 3. Conversion

To start the conversion, first fill the desired files into the FILES section.

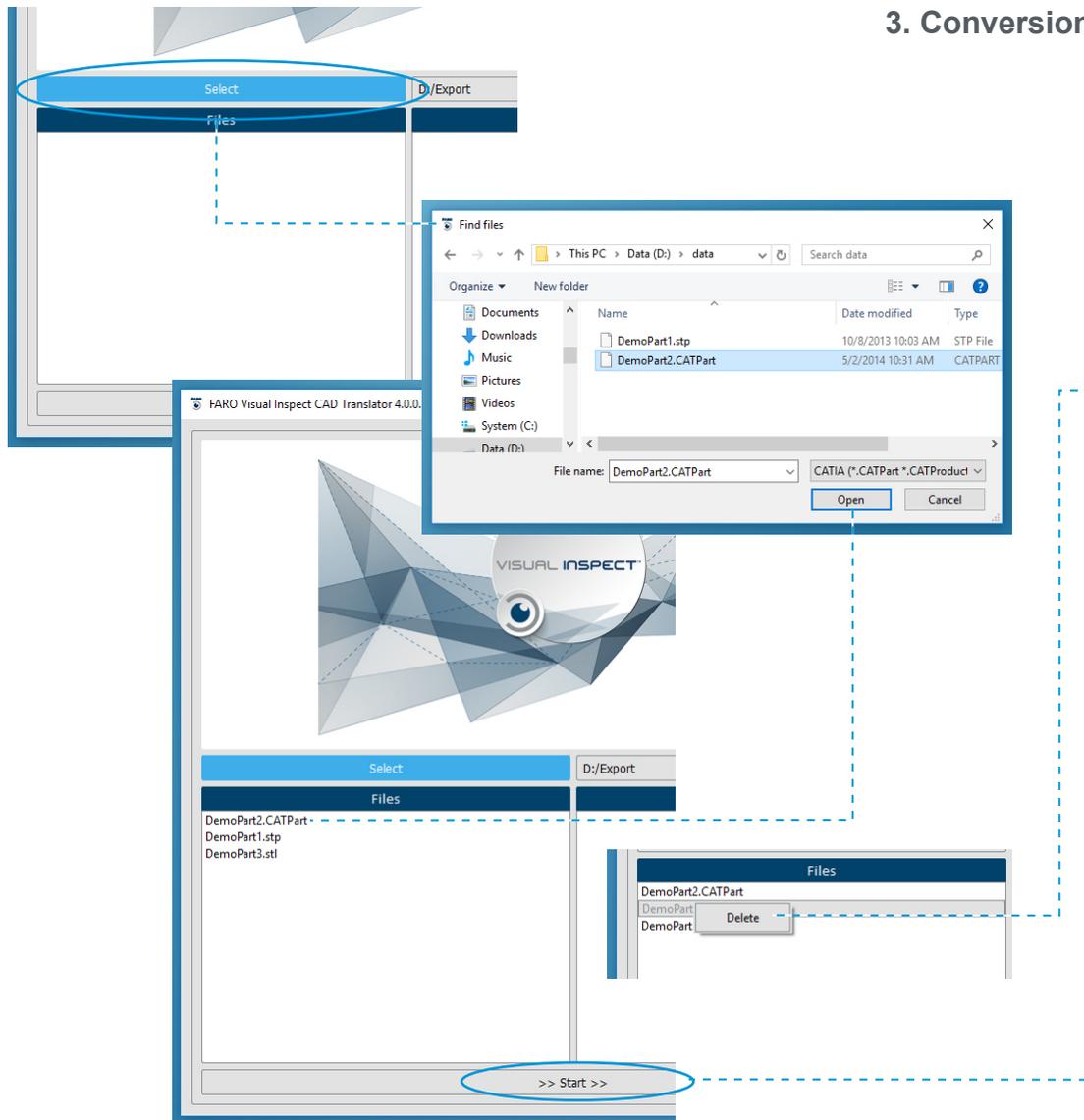
Click the **SELECT** command to open a file browser. Navigate to the files you like to convert and click **OPEN** to fill them into the **FILES** section. You can filter the files shown in this **FIND FILES** window by selecting the desired filter in the dropdown menu on the bottom right.

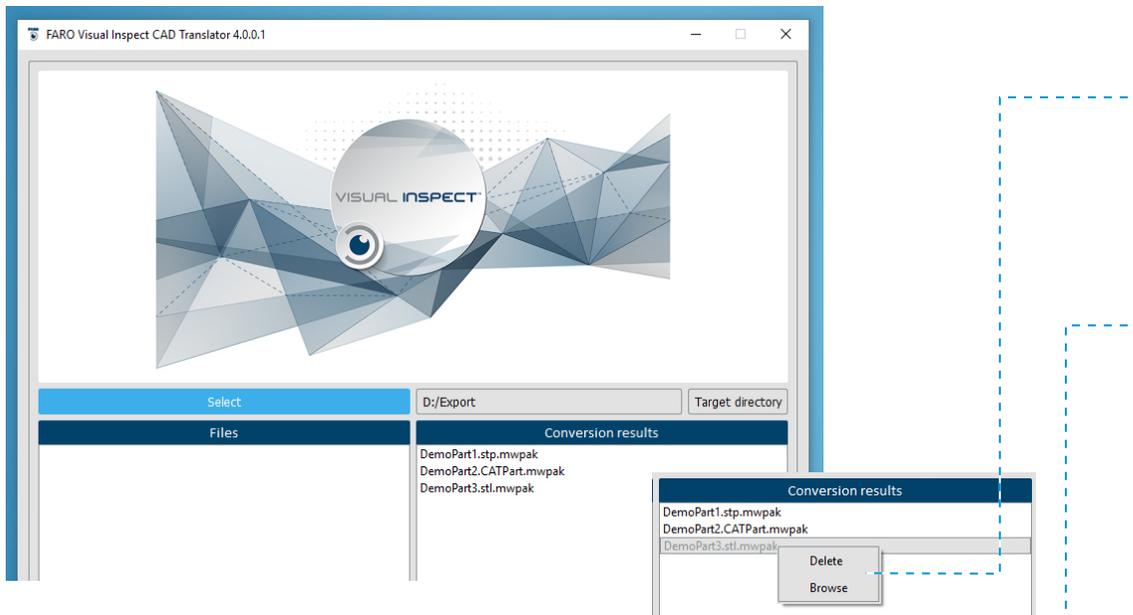
You may fill several files into the **FILES** section to convert them all at once in a queue.

If you have selected a file by mistake, right-click it to open a context menu. Select **DELETE** to remove the file. This will remove the file only from the list, it will not delete the original file on the disk.

When you have selected all the files you want to convert, click the **START** command at the bottom of the window to initiate the conversion process. While the conversion runs the window is blocked and you will see a progress bar.

The conversion process converts all files in the **FILES** section to the **MWPAK** format and saves them to the selected **TARGET DIRECTORY**.





After the conversion, you will see all converted files in the CONVERSION RESULTS section.

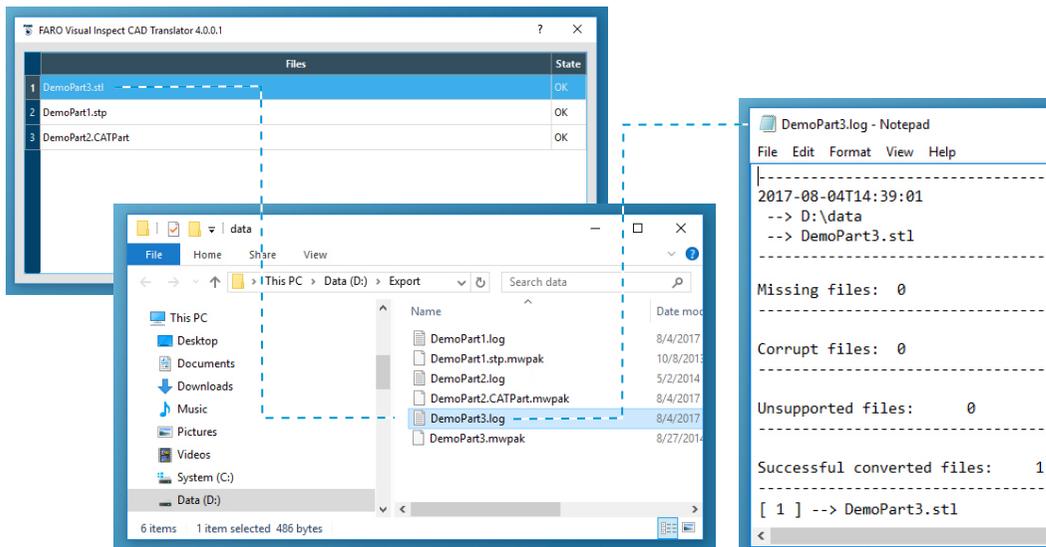
**Right-click a file to open the context menu.**

**The DELETE command deletes the file.** This will delete the file in the target directory and remove it from the list.

**The BROWSE command opens a file browser showing the target directory.** So you can easily find the converted files.

**After the conversion, a window will open which shows the state of each converted file.** If the conversion was successful, the state will be OK. If there were any problems with the conversion but there is a conversion result, the state will be INFO. If the conversion completely failed and there is no result, the state will be FAILED.

**If you double-click a line in this dialog, a file browser will open showing the target directory. You will see the resulting \*.MWPak file, as well as a \*.Log file for each converted file.** If you open this log file (in any text editor) you can see the conversion log. This makes sense if the state is FAILED or INFO and you would like to know what went wrong. The log file contains the following information:



- **The conversion date**
- **The directory of the source file**
- **The name of the source file**
- **Missing files: list of the concerned files and their total number** (files contained in the product structure which could not be converted because they could not be found)
- **Corrupt files: list of the concerned files and their total number** (files contained in the product structure which could not be converted because they are damaged)
- **Unsupported files: list of the concerned files and their total number** (files contained in the product structure which could not be converted because they have a format which is not supported by VISUAL INSPECT CAD TRANSLATOR)
- **Successful converted files: list of the concerned files and their total number** (files converted successfully)