



# VISIATIV myCADtools

PRESENTATION

**CERTIFIED**  
Gold  
Product

 **SOLIDWORKS**



## SmartProperties

Standardize properties, create your article code and name all your new documents



## SmartBom

Send the right information to the right departments of the company by creating nomenclatures filtered by type (Manufacture, purchase, ...)



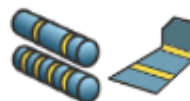
## BatchConverter

Easily export with your neutral file naming rules to create your manufacturing folder



## ProjectManager

Make a pack and go of your assemblies taking into account the update of the properties and the naming of the new documents



## SheetMetalManufacturing CuttingOptimization

Generate all sheet metal flat patterns from an assembly and grouped by thickness or material

Create the cutting plan for your mechanical welding projects and save material



## Integration

Mass edit your documents with custom actions based on your needs with this myCADtools toolkit

Standardize properties, create your own item code with counters per project and automatically name your new documents

« We have implemented a custom coding rule...  
Numbering is no longer done manually, which  
saves time and eliminates oversights and  
duplicates permanently.»



Functionalities	my	SW
Create your mask to apply properties	✓	✓
Copy an existing part with its drawing in 2 clicks	✓	
Use a counter per project to create an article code	✓	
Automatically name each new document	✓	
Concatenation of length properties to mass rename all folders for mechanical welding, sheet metal, etc.	✓	

SmartProperties

Show Properties for:  
PR-1161-456552-05.SLDPRD / Bound to the document

Save to folder  
F:\Fichiers SW\1\_Demo\myCADday 2022\SmartProprieté

Part type  
☒ PROJECT  
☐ STANDARD  
☐ COMMERCIAL

PROJECT  
 PROJECT\_NUMBER \* 1161  
 PRODUCT\_NUMBER \* 456552  
 COMPONENT\_NUMBER 03

CUSTOMER VISIATIV  
 YEAR 23

General informations  
 DESCRIPTION Frame Fixation Block Port 55  
 PROCESS PAINTING  
 TYPE USAGE

FILE\_NAME PR-1161-456552-03

Select material  
 Matériaux personnalisés  
 Other  
 AISI Type 316L stainless steel

Customization  
 Settings



# SmartBom

Extracting a BOM with or without SOLIDWORKS from a document or folder



Create in one operation several BOMs filtered by type (manufacture, purchase, ...) from an assembly or a Windows folder

«Allows the final formatting of the components to transmit the correct information to production and to the various departments concerned »



## Functionalities



Extraction of mechanically welded components directly into assembly BOMs



Create several BOMs in one operation using filters on document properties



Export drawings to PDF with quantity information



Concatenation of properties in a column



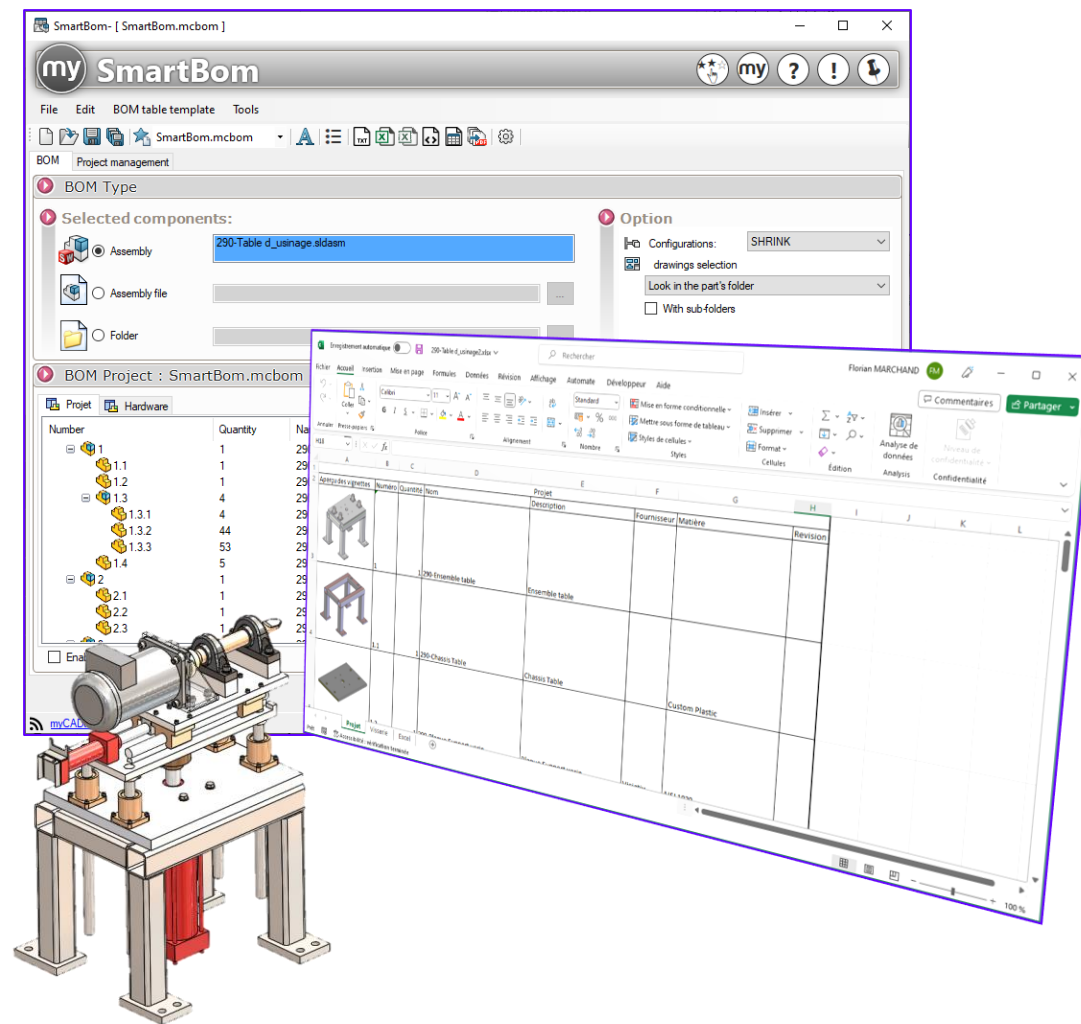
Customize export format and add the document preview in the Excel export



Modify properties from the Bill of Materials



Export all properties (documents and configuration) of the files present in a folder in an Excel file





# BatchConverter

Mass export SOLIDWORKS documents



Automatically convert a list of SOLIDWORKS documents  
(Parts, Assemblies or Drawings) into all formats supported by  
SOLIDWORKS (DXF, TIFF, PDF, IGES, ...)

Standardize export file names and save  
time

## Functionalities



Batch export SOLIDWORKS documents

✓

✓

Automatically retrieve all drawings from an assembly and  
concatenate all generated PDF files

✓

Batch import to SOLIDWORKS format

✓

Automatic export of a document per configuration

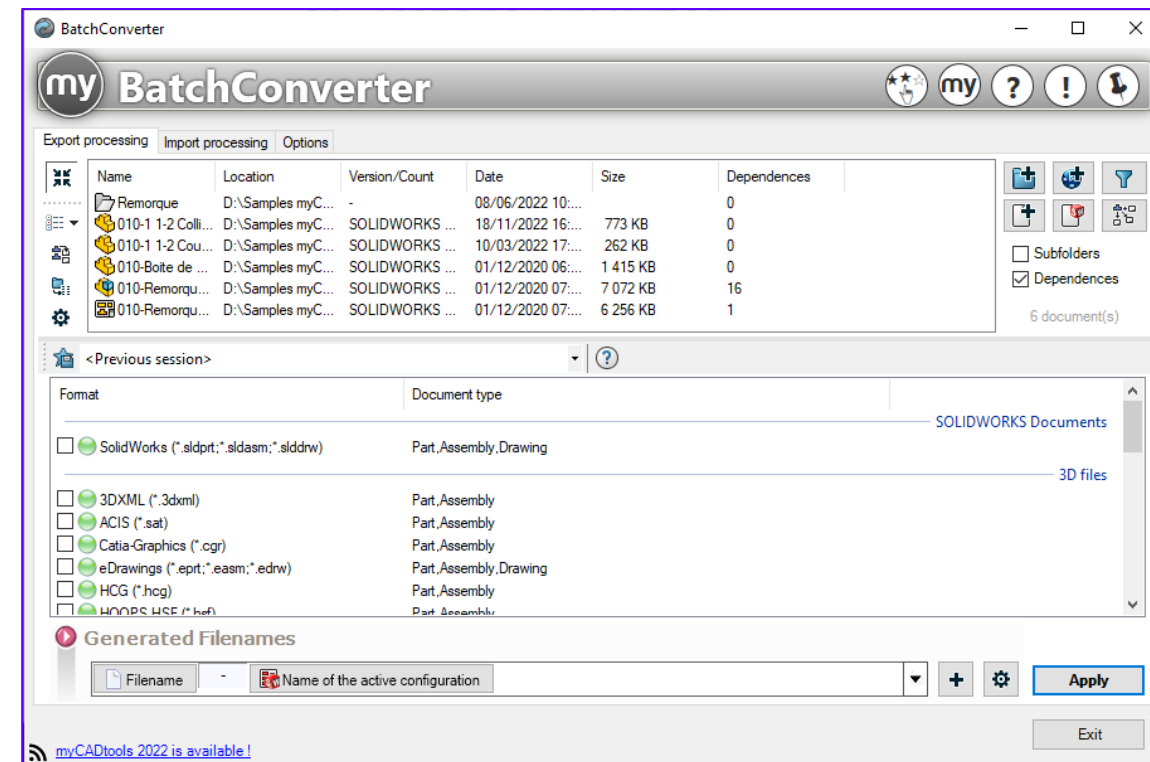
✓

Have naming rules based on file properties and choose destination  
directories

✓

Ability to export in multiple formats at the same time

✓







# ProjectManager

Easily duplicate a SOLIDWORKS project with all its dependencies



Manage property values, set a new name using counters (like in SmartProperties) and manage folder structure by properties with a tool like Pack and Go SOLIDWORKS

Reuse your projects for new business  
by recreating your item codes when  
duplicating

## Functionalities



Duplicate a project with all or part of the dependencies by renaming files with prefixes or suffixes

✓

✓

Manage document properties when copying

✓

Rename documents based on filters and user-defined rules

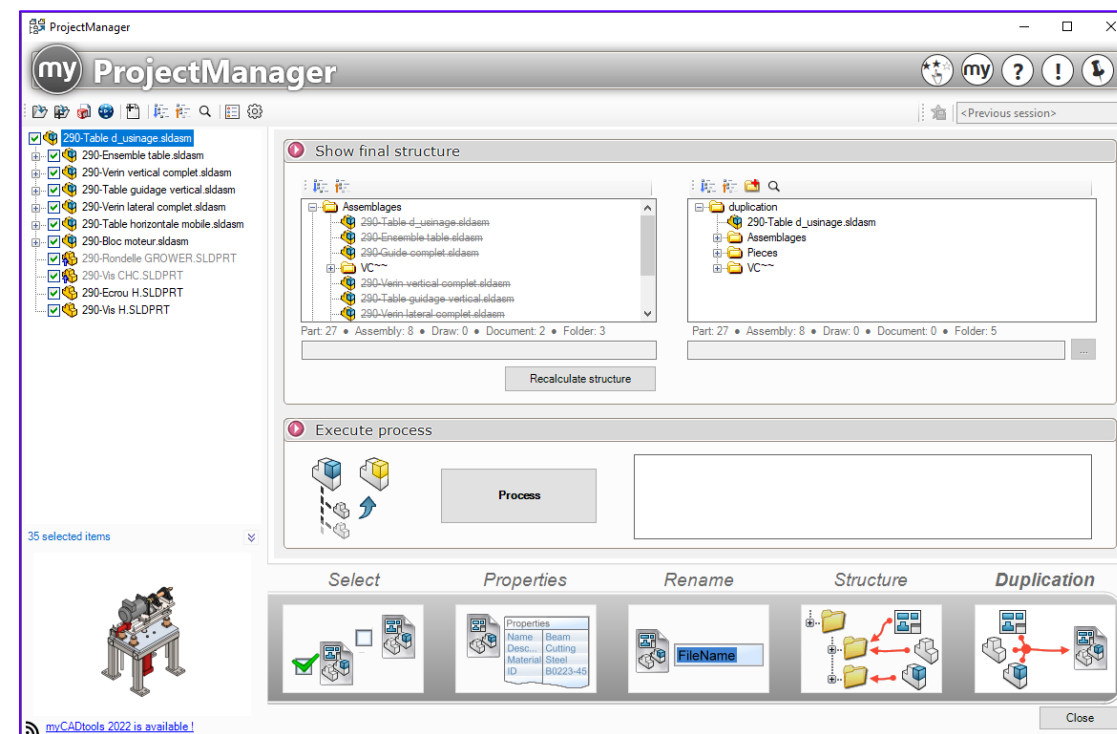
✓

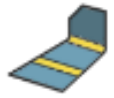
Redefine the location and structure of duplicate files based on filters and user-defined rules

✓

Local setting of search folders for referenced files and drawings

✓





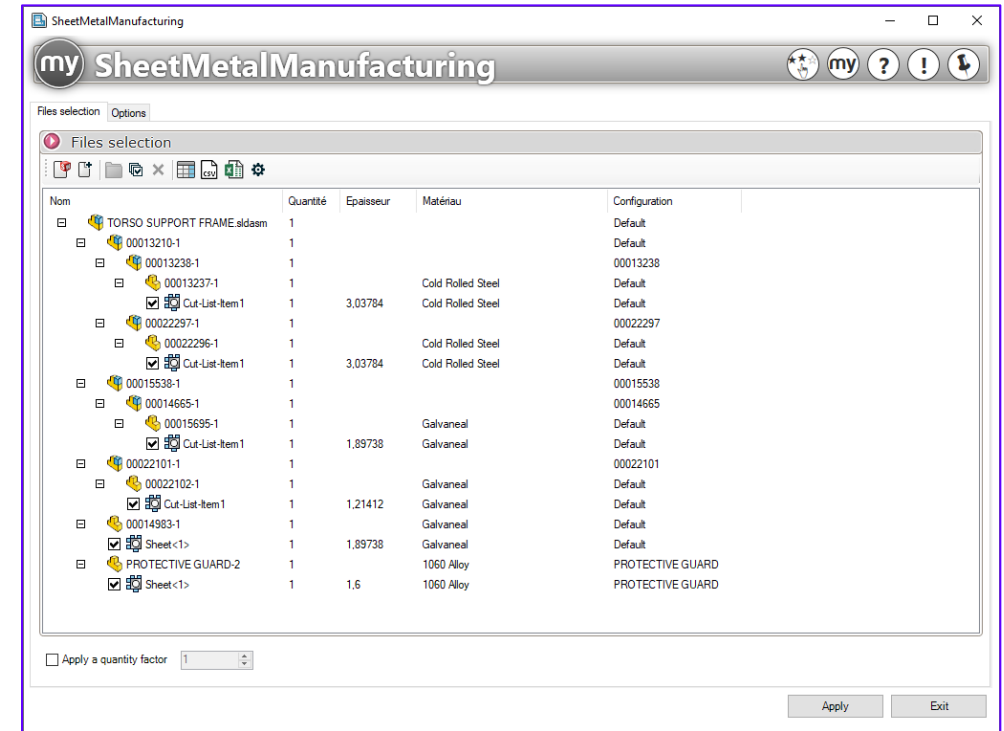
# SheetMetalManufacturing

Generate a DXF/DWG containing all the flat patterns of a sheet metal project



Obtain an automated export, in a file, of all the flat patterns of sheet metal parts of a project

Save your time, cut unnecessary tasks and focus on design



## Functionalities



Create DWG or DXF file per flat patterns

✓

Grouping of flat patterns per sheet or file depending on material and thickness

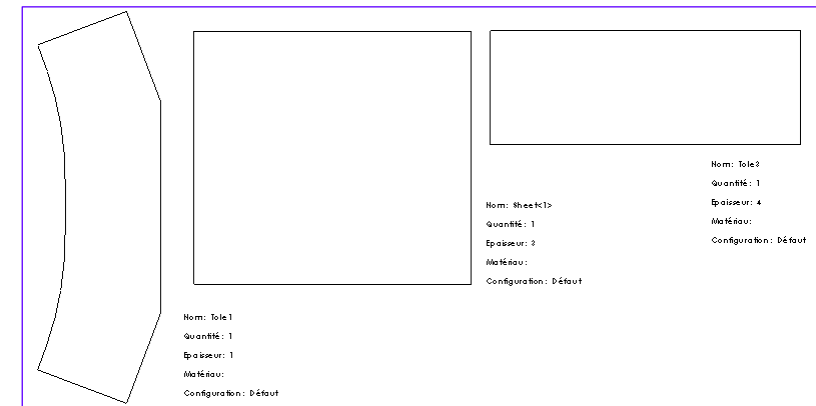
✓

Creation of a SOLIDWORKS drawing editable before sending to production

✓

Manage the name of exported files

✓





# CuttingOptimization

Optimize the cuts of the profiles and calculate the optimum bar length for my project



Save material by optimizing your cut of weldment profiles based on SOLIDWORKS assembly or parts

Optimize your cuts and save material every year!

## Functionalities



Import of profiles via 3D SOLDWORKS, Excel table



Calculation and optimization of profile cuts



Calculation of the cost of cuts (time, % drop, ...)



Management of cutting angles



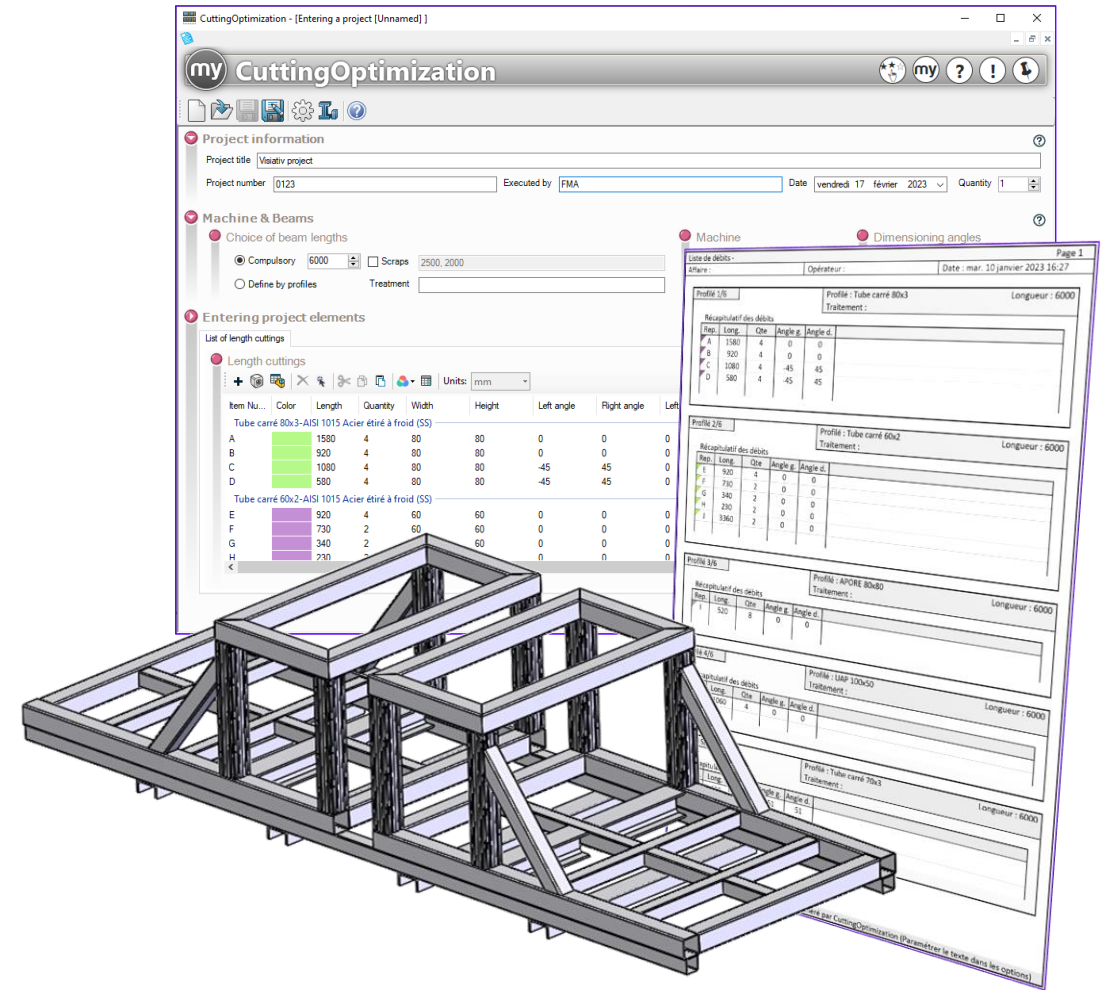
Management in the same project of different profiles



Calculation of the optimum bar length to supply



Generate a report with the cut plan for each profiles







# Integration

Automatically standardize SOLIDWORKS documents via work rules



Standardize your documents based on rules.

Thanks to a library of more than 50 conditions and 100 operations, make mass changes to your documents (Properties, materials, export, zoom, configurations, sheets, etc.)

Perform custom processing on batch documents

## Functionalities

Standardize property names, set values from an Excel table...

✓

Mass launch a macro on SOLIDWORKS documents

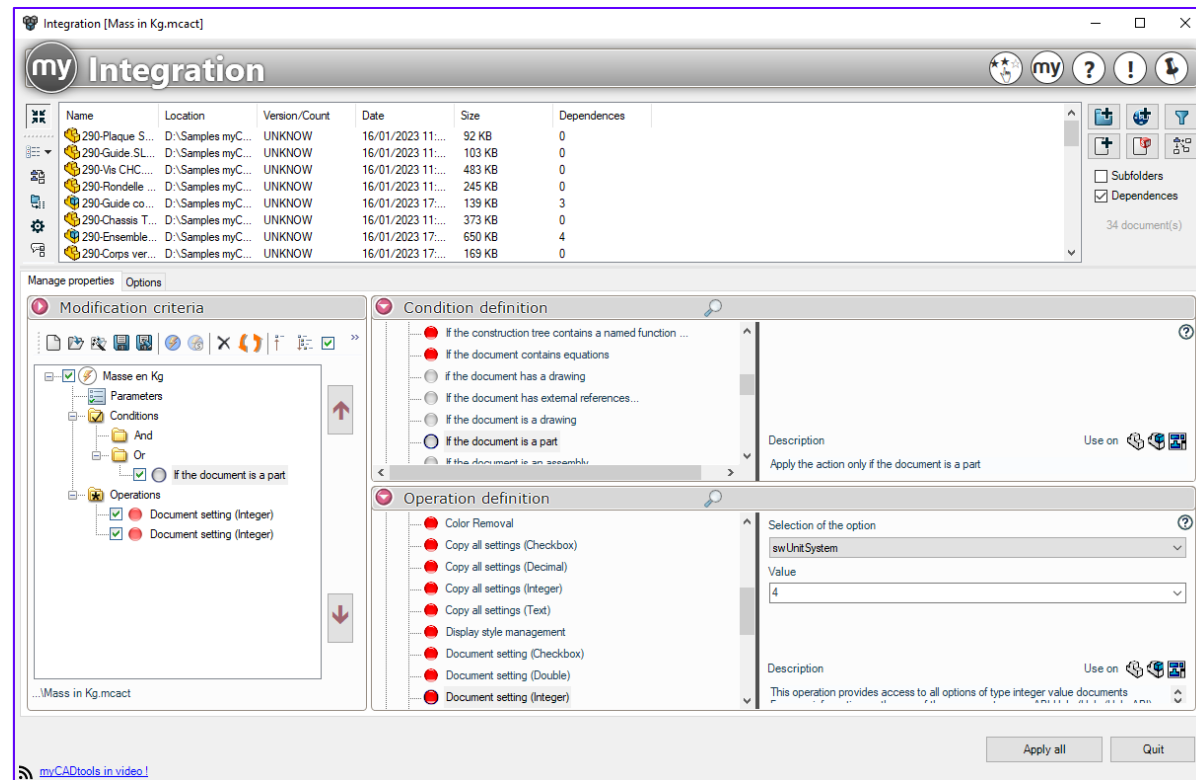
✓

Create a custom anomaly report

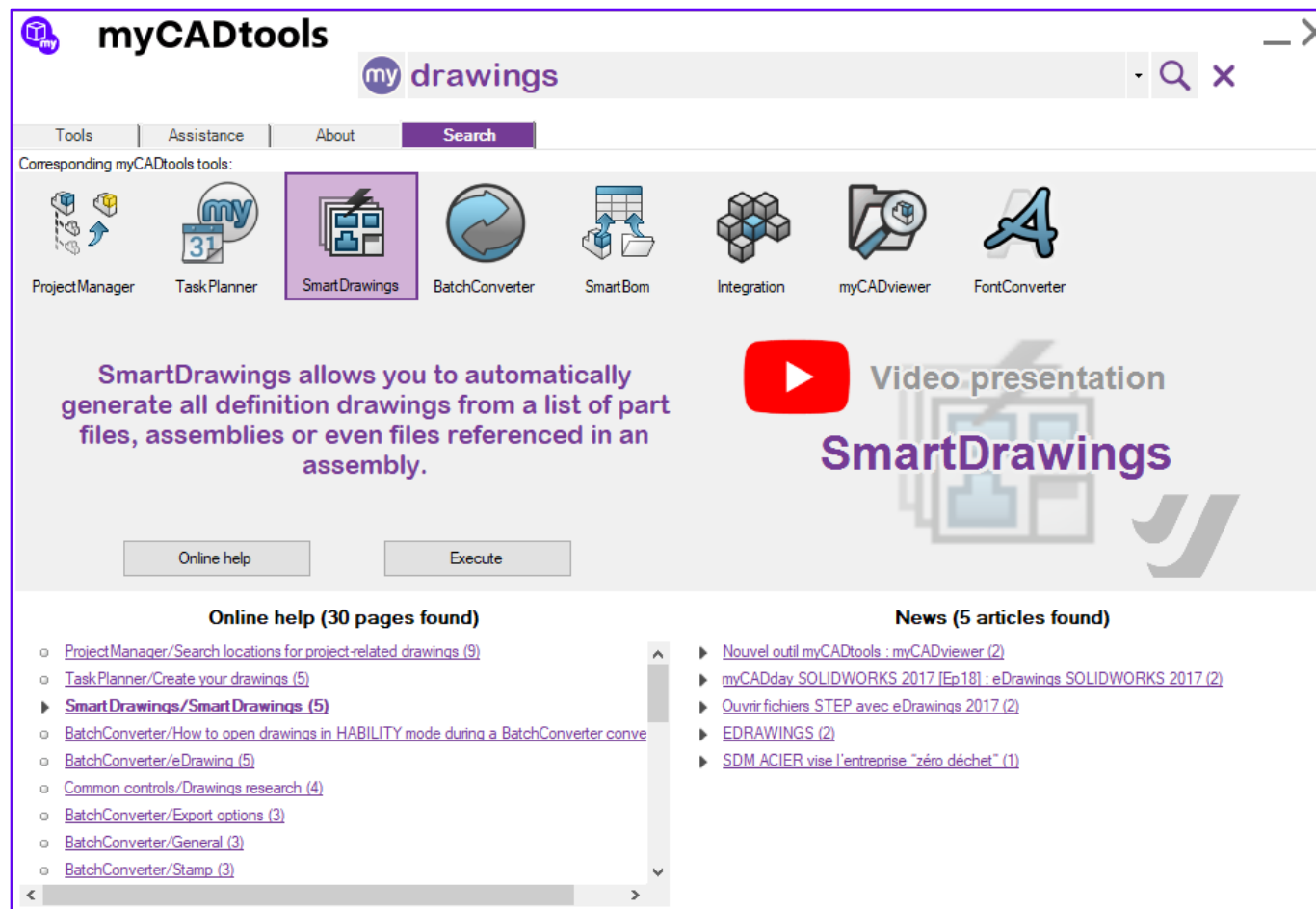
✓

Managing SOLIDWORKS Document Options

✓



## Find all the myCADtools possibilities thanks to our search tool



The screenshot shows the myCADtools web application interface. At the top, there's a search bar with the text "my drawings". Below the search bar, there are tabs for "Tools", "Assistance", "About", and "Search". The "Search" tab is active. Below the tabs, it says "Corresponding myCADtools tools:" and lists several tools with icons: ProjectManager, TaskPlanner, SmartDrawings (highlighted with a purple border), BatchConverter, SmartBom, Integration, myCADviewer, and FontConverter. Below the tools list, there's a section for "SmartDrawings" with a description: "SmartDrawings allows you to automatically generate all definition drawings from a list of part files, assemblies or even files referenced in an assembly." To the right of this text is a video player with a red play button icon and the text "Video presentation SmartDrawings". Below the video player are two buttons: "Online help" and "Execute". At the bottom, there are two sections: "Online help (30 pages found)" and "News (5 articles found)". The "Online help" section lists several links, including "SmartDrawings/SmartDrawings (5)". The "News" section lists several articles, including "Nouvel outil myCADtools : myCADviewer (2)".



# Discover other tools available in the myCADtools catalog



## 3DSpaceExplorer

Retrieve documents from the 3DEXperience platform



## AssemblyBoard

Automatic creation of component boards



## BatchProperties

Automatically apply a list of properties to a set of SOLIDWORKS files



## BomComponents

Insert virtual fasteners by defining a quantity property



## CloneComponents

Automatically insert and rename library components in an assembly



## CopyOptions

Standardising a list of SOLIDWORKS documents



## DrawingTranslate

Automatic translation of drawings



## FindDocuments

Search all your files without SOLIDWORKS PDM



## PilotAssembly

Manage and modify your assemblies from an Excel file



## PowerPrint

Automatically print a list of SOLIDWORKS documents to printers according to formats



## ProjectExplorer

Managing a project's file structure in Windows Explorer



## SmartDrawings

Automatic creation of a bundle of plans from the assembly or a list of files

[See more tools](#)