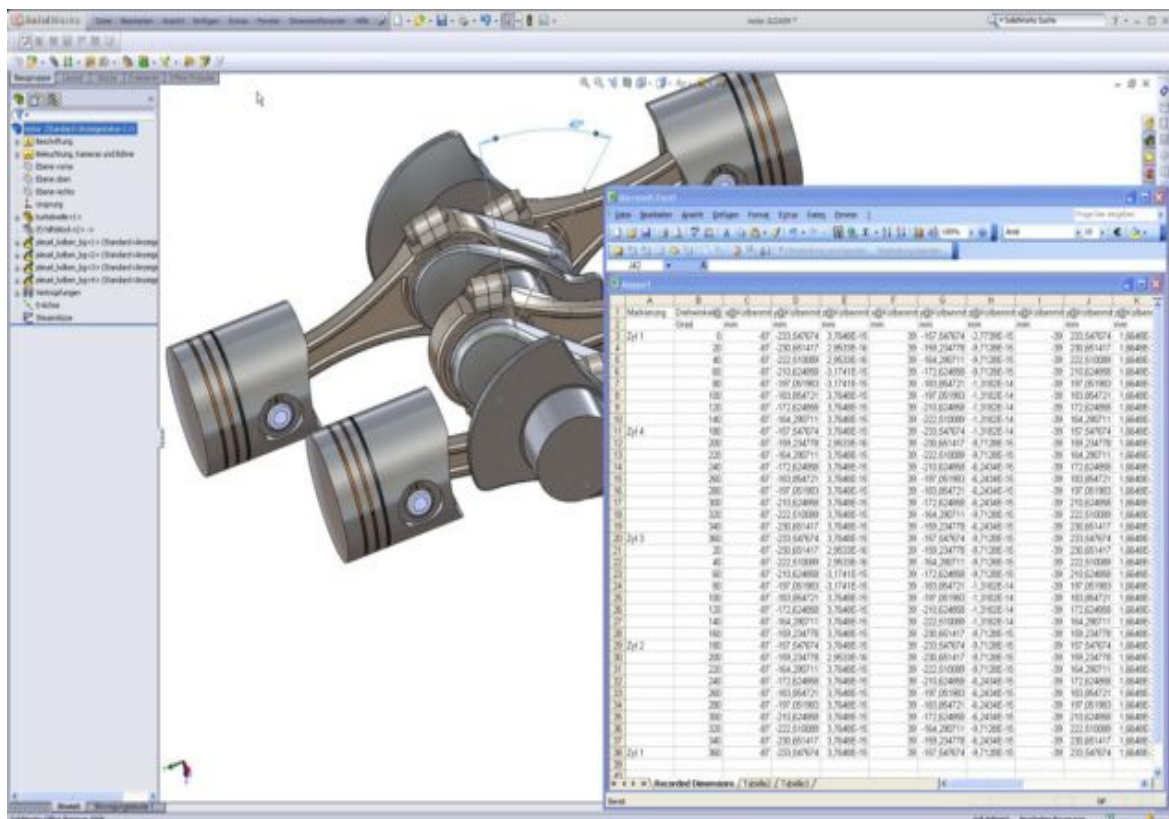## DimensionRecorder

DimensionRecorder is a SolidWorks add-in for the recording of dimension values and point positions. The recorded values are written to an excel sheet. You can use the tool for example to examine kinematic relations within an assembly or the dependencies in a sketch.

New with Version 2

- Recording of point positions

- Tagging of states

- Model refresh as an event

- Recording of the data units

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System Requirements

- SolidWorks 2008 (32bit) and above
- Microsoft Excel

Installation

To install DimensionRecorder simply run the setup programme. The software is registered as an SolidWorks add-in automatically. Possibly administrator rights are required. To deinstall the software use the "Ad and Remove Programs" in the Windows control panel. Older versions should be removed before installation of a new version.

Manual Registration

To register the programme manually open a command shell(DOS box) and run:

```
<Path  .NET-Framework>\regasm.exe  /codebase  <Inst.path>\DimensionRecorder.dll
```
(Path of the .NET-Framework e.g. `C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727`)

To unregister:

```
<Path .NET-Framework>\regasm.exe /unregister <Inst.path>\DimensionRecorder.dll
```
(Path of the .NET-Framework e.g. `C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727`)
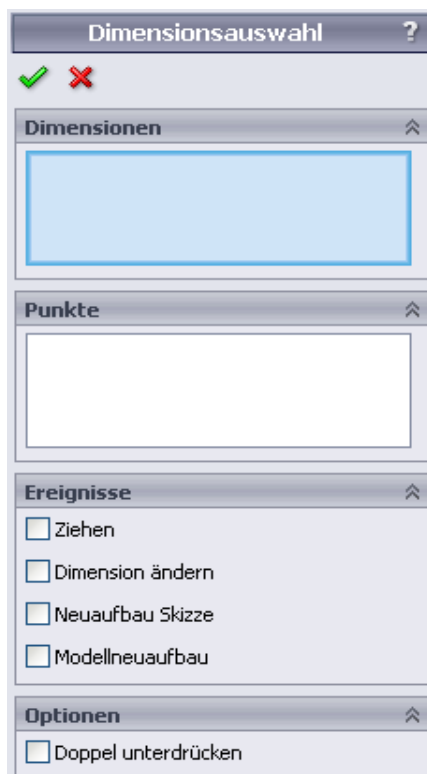
Start

After registration DimensionRecorder can be accessed as an add-in from SolidWorks (see documentation for details).

Menu and Buttons

	Select Dimensions	Select dimensions to be recorded and set recording options.
	Start Recording	Start the recording of selected dimensions.
	Pause Recording	Pause Recording. Reactivate with the 'Start Recording' button.
	Snapshot	Record dimensions now.
	Tag Last	Add a Tag to the last recorded set of dimensions/values.
	Cancel Recording	Cancel Recording. Recorded dimensions will be lost.
	Finish Recording	Finish recording. Dimensions will be written to spreadsheet
	About	About the software.

Auswahldialog

Dimensions	Dimensions to be recorded.
Points	Points to be recorded.
Drag	(Assembly) Record dimensions on component drag events
Change Dimension	(Part, Assembly) Record dimensions if any dimension value is changed by an user dialogue.
Sketch Solve	(Part, Assembly) Record dimensions if a sketch was changed and rebuild.
Model Regeneration	(Part, Assembly) Record dimensions after the model is regenerated.
Drop Double	Do not record dimension data sets twice in a row.

Quick Guide

- Make part or assembly active model
- `Select Dimensions` to open selection dialogue.
- Pick dimensions to add them to the selection.
- Select one or more events (e.g. `Drag`).
- Close selection dialogue.
- `Start Recording` .
- Make your model changes (e.g. move a component).
- `Finish Recording` .
- View and save the excel sheet.

Licence:

DimensionRecorder is licensed under EUPL 1.1 (European Union Public License). The text of the licence is added. It can also be found under http://ec.europa.eu/idabc/en/document/7774 in various languages.