

Replacing Inventor Parts/Assemblies with Copies of Themselves

entegra Replace with Copy

The Vault copy dialog is a powerful tool which allows you to use existing design data for new projects. However, which parts or assemblies need to be changed in the new project are not always known before the project is copied.

Normally, if you want to subsequently replace sub-assemblies or parts with a copy, you will unfortunately need to perform numerous manual steps.

We have developed the “replace with copy” tool to save you this hassle.

For variant design

A command is available in Inventor to replace a component (part or assembly) with a copy of itself with just one click.

One or more existing drawing derivations are taken into account and copied with the newly created model.

Application in the case of an individual part

After clicking on an individual part in an assembly, the command for the copy process can be triggered via the context menu. A copy of the part is automatically created, and a save dialog prompts the user to specify a location and a name. If the Vault Number Generator is used and the appropriate folder has already been selected, the dialog can simply be confirmed. If a drawing exists, it will also be copied. The new part is thus integrated into the overall assembly.

Application in the case of an assembly

The tool can also carry out the copying process, including the assembly drawing, for assemblies.

Application in the case of identical parts

When using several identical parts, it is optionally possible to replace only the marked instance or all integrated instances with the copied component.

Property maintenance

Property fields can be automatically deleted and filled during the copying process. For example, the source file can be recorded. The desired fields are defined via the configuration.

Advantages and benefits

The “replace with copy” tool simplifies the copying process considerably. The Inventor user has the option of initiating copy processes without exiting their software.