



Enhancements

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Version 2023

DataSolid GmbH

Nobelstraße 3-5

D - 41189 Mönchengladbach

Telefon: +49 (0) 2166 / 955-712

Fax: +49 (0) 2166 / 955-719

E-Mail: info@datasolid.de

Internet: www.datasolid.com



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1 General

1.1 Updated Program Components

CADdy++ includes some partner-developed components, such as the 3D ACIS Modeler, a geometric modeling kernel developed by Spatial Corporation, a part of Dassault Systemes.

By updating the ACIS version, SAT files of the latest release 33 can now be imported and exported.

Also the program libraries for the 3D dependencies and the calculation of the model views were updated. Also, the library for data exchange using DWG and DXF has been updated.

1.2 Error corrections

Much emphasis has been placed on the stability of the program in the new version. Many of the reported bugs, especially in the design with feature bodies or in the DWG import/export have been corrected to ensure you the maximum benefit when working with **CADdy++**.

2 2D Commands

2.1 Replace symbols and apply attribute values

To increase the speed for redraw, it is useful to use a simple symbol whilst processing the drawing rather than a complex one and then to replace this one with the required symbol just before the drawing is to be plotted.

When replacing symbols, any existing attributes and their values are now transferred to the new symbols starting with **CADdy++** Version **2023**. You make the setting for the transfer of the attributes and their values via the menu command **Settings, Symbol** or in the function described below.

Proceed as follows:

With selection list

1. If the existing symbol has attributes and you want them to be applied when replacing it, make your setting using the **Settings, Symbol** menu command in the **Replace symbols with attribute values** area:

take over attribute values

Provided that the existing and the new symbol have identical attributes, then the value is retained and passed to the new symbol.

take over all attribute values

This option is additional to the previous one and concerns the attributes that are not present in the replacing symbol. All attributes are passed to the new symbol with the corresponding values.

rearrange texts

If the default setting **position under last** was used when assigning the attributes, this option will also be used when replacing symbols and the values will be arranged one below the other.

2. Accept all the symbols into the selection list which are to be replaced by one and the same symbol.
3. Select the menu command **Define, Symbols**.
4. Select a library from the **current library** list.
If no library is loaded, use the dialog box menu command **Library, Add** to load the library in which the symbol should be searched for.
5. Select the directory, then tag the name of the symbol that is to replace the one already in the model.
6. Start the dialog box menu command **Model, Replace Symbols In Model**.

With action list

1. If the selection list does not contain any symbols, select the menu command **Define, Symbols**.
2. Select a library from the **current library** list.
If no library is loaded, use the dialog box menu command **Library, Add** to load the library in which the symbol should be searched for.
3. Select the directory, then tag the name of the symbol that is to replace the one already in the model.
4. Start the dialog box menu command **Model, Replace Symbols In Model**.

5. Select an appropriate setting if the existing symbol has attributes and you want them to be applied when replacing it:

take over attribute values

Provided that the existing and the new symbol have identical attributes, then the value is retained and passed to the new symbol.

take over all attribute values

This option is additional to the previous one and concerns the attributes that are not present in the replacing symbol. All attributes are passed to the new symbol with the corresponding values.

rearrange texts

If the default setting ***position under last*** was used when assigning the attributes, this option will also be used when replacing symbols and the values will be arranged one below the other.

6. If only one individual symbol is to be replaced, identify it with the cursor. If a number of symbols are to be replaced, take them over in the action list.

Please note:

The new symbols accept the position of the reference point, the scaling factor and the rotation angle of the previous ones.

2.2 Edit standard sheet entries



You can change the title block entries for a standard sheet symbol from the standard sheet library or a title block in a resolved group that is in the drawing area for the standard sheet later using the Edit title block entries command.

The function can be called via a user-defined toolbar if

- you use standardsheet symbols contained in the standardsheet library NORMBLAT.SYL as drawing frames with title block for your drawings. For more information, see the Insert or Replace Standard Sheet chapter.
- if the standard sheet symbol has been resolved and there is only one group with the objects and the attributes of the title block in the drawing file area for the standard sheet.

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