

What's New

In SmartColor 7.0.3.0

software
b&w

Set the context combined state name to default

- Type: Enhancement
- Not it is possible to use an asterisk character as a placeholder for the CREO default combined state name in the definition of a context.

| | | | | |
|---|--|--|---|--|
| Context <ul style="list-style-type: none"> Label Description Inherit contents Parameter Value Combined State | | Function | T | Label which is shown to the user. |
| | | Colors and rules for functional aspect | T | Description which is shown to the user. |
| | | <input checked="" type="checkbox"/> | | Inherit assigned contents from the superordinated context. |
| | | Function | | Value for the global context parameter to pre-set this context for the user. |
| | | <input type="text"/> | | Name of the combined state which shall be linked to this context. This is mandatory for color symbol creation. |

- This makes it possible to create a configuration in which language-unspecific the default combined state can be used.

Define by checkbox whether the surfaces selected in model overview shall be highlighted or added to the selection buffer

- Type: Improvement
- The pushbutton used to create a selection based on the surfaces chosen within the model overview was converted into a checkbox.



- This allows to auto-add the chosen surfaces to the Creo selection buffer without the need to press the pushbutton everytime again after new elements are chosen in the surfaces list of the model overview.
- The setting is preserved until the dialog gets closed.
- By default, the geometry gets just highlighted.

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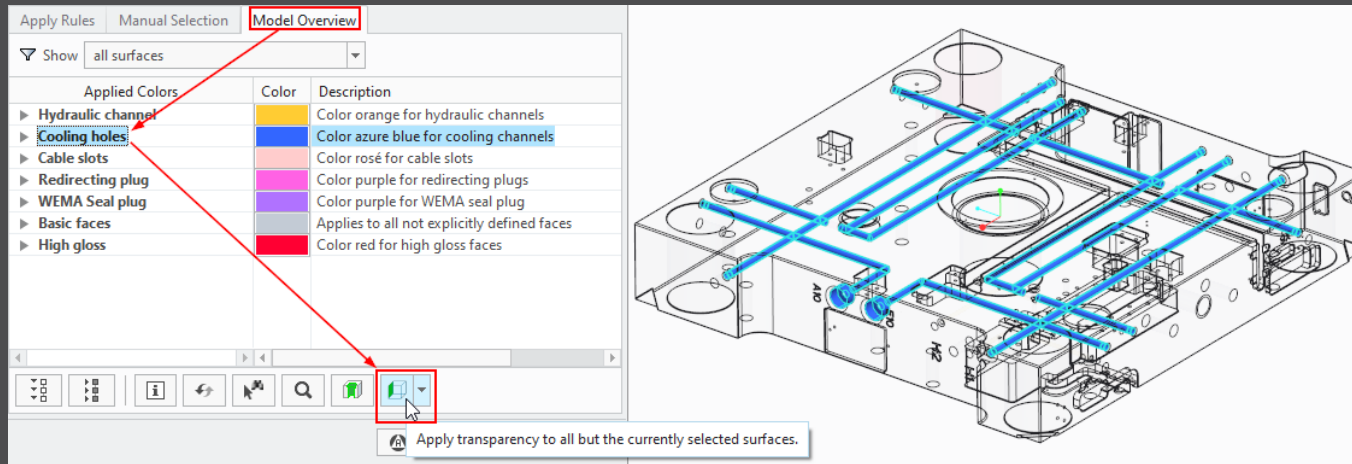
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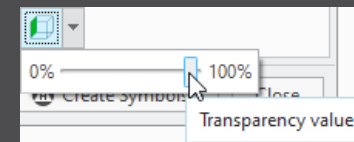
- This allows to auto-add the chosen surfaces to the Creo selection buffer without the need to press the pushbutton everytime again after new elements are chosen in the surfaces list of the model overview.
- The setting is preserved until the dialog gets closed.
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New button added fading out all surfaces which are not selected in model overview

- Type: Enhancement
- Use the new button to activate a faces transparency mode.



- The transparency of the surfaces corresponding to the selected list items is set to 0
- The transparency of all other surfaces is set to a chosen value (default is 90%).
- Choose the desired transparency value using this slider:
- The transparency mode is reset for certain events like exiting dialog, changing active context and others.



Expose all surfaces which were not colored in the active context

- Type: Enhancement
- A new filter within the model overview allows to expose all surfaces for the active context, that haven't been colored using SMARTColor.
- These surfaces match the initially saved base appearance of the model.

The screenshot shows the 'Model Overview' tab in a software interface. At the top, there are three tabs: 'Apply Rules', 'Manual Selection', and 'Model Overview'. Below the tabs is a 'Show' filter dropdown menu currently set to 'all surfaces'. A red arrow points from this dropdown to a larger, expanded view of the dropdown menu on the right. The expanded menu lists four options: 'all surfaces', 'only surfaces colored by rules', 'only surfaces colored by user selection', and 'only surfaces undefined in this context'. The last option is highlighted in blue. Below the filter is a table with columns 'Applied Colors', 'Color', and 'Description'. The table lists several categories with their respective colors and descriptions. The 'Undefined in context' row is highlighted with a red box.


| Applied Colors | Color | Description |
|------------------------|-------|--|
| ▶ Hydraulic channel | | Color orange for hydraulic channels |
| ▶ Cooling holes | | Color azure blue for cooling channels |
| ▶ Cable slots | | Color rosé for cable slots |
| ▶ Redirecting plug | | Color purple for redirecting plugs |
| ▶ Basic faces | | Applies to all not explicitly defined faces |
| ▶ Undefined in context | | Surfaces which haven't been colored within this context. |

- The entries of the “Undefined in context” node can be used to create a selection of the corresponding geometry items.
- Use the selection to apply the desired RGB code via the functions within the tab “Manual Selection”.

New button added which zooms in on the surfaces selected in model overview

- Type: Enhancement
- A new button is added to the menu below the surfaces list of the model overview.



- If elements are selected within the list, by pressing this button the corresponding surfaces are added to the selection buffer and the view zooms in on them for a better visualization.
- This functionality matches the Creo command ,Zoom to Selected'. 

Highlight corresponding color symbol when color info is shown for selected surface

- Type: Enhancement
- Using the color info command the corresponding information for a color code is presented within a dialog box.
- When a surface is now selected using this mechanism, the legend symbol referencing the surface is additionally highlighted:

The screenshot displays a legend on the left and a 'Color Information' dialog box on the right. The legend lists five items with colored squares: Hydraulic channel (± 0.01) in yellow, Cooling channel (± 0.02) in blue, Cable slot (-0.01 | +0.05) in green (highlighted with a red border), Redirecting plug (+0.015 | +0.02) in pink, and WEMA-Seal plug (-0.01 | +0.015) in purple. The dialog box shows the selected color as red with RGB values (255, 204, 204) and a table of offset tolerances.

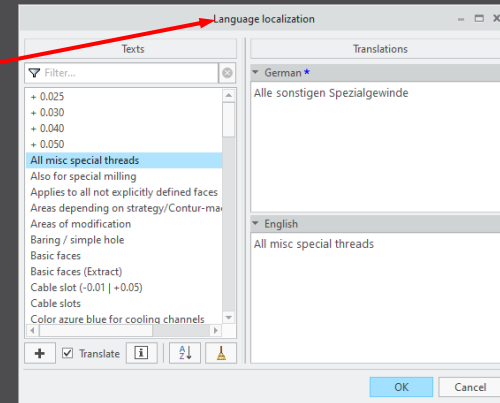
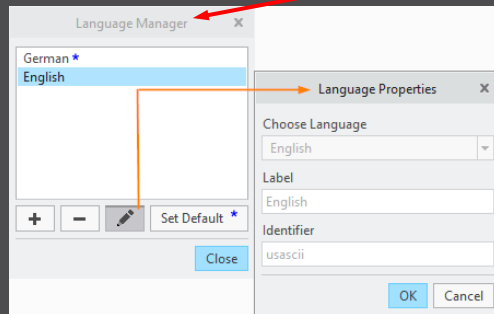
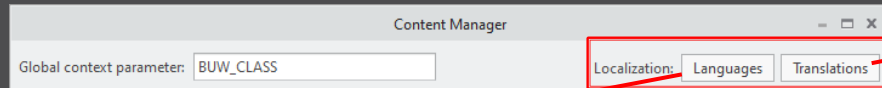
| From | To | Tolerance |
|------|-----|-----------------|
| 0 | 150 | +0.015 +0.020 |
| 150 | 500 | +0.025 +0.040 |
| 500 | ∞ | +0.030 +0.050 |

New option to deactivate the check to preserve the original model appearances

- Type: Enhancement
- New configuration option „preserve_initial_model_colors “.
- Prompt the user to choose the recognized color codes of the original model appearances, which shall be preserved and stored to the corresponding context.
- Default is „Yes“ and matches the software behaviour of the previous versions.
- Therefore, this option allows to turn off the check or rather avoid that the user gets prompted in case, that pre-existing model colors are intended to be overwritten by the saved model base appearance.

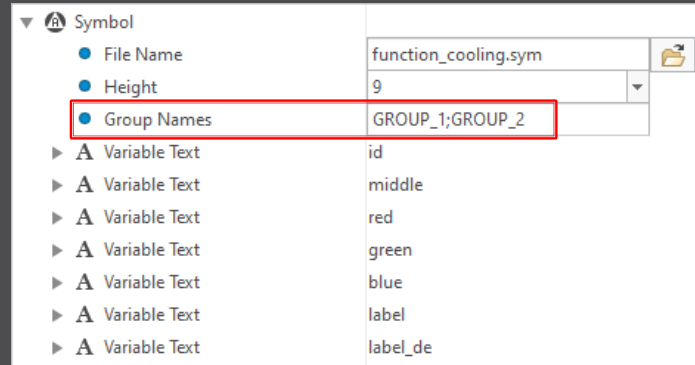
New functionality to provide and maintain translations for all language dependent contents

- Type: Enhancement
- Define multiple languages and the corresponding translations for the textual contents to be shown within the user interface.
- Labels and descriptions of all object types like colors or rules, can be prepared for all users in their native language.
- Texts to be inserted into color symbols can also be prepared in this multilingual manner.
- Find more information within the administrator documentation (chapter „Managing supported languages and translated texts”).



Define multiple groups to be activated for the created color symbols

- Type: Improvement
- Define a semicolon separated list of group names defined within the Creo symbol.
- All groups of this list will be set to be active when the symbol instance is created from the template.
- This allows to reduce the number of symbols, which have to be maintained as their appearance in the model can be pre-defined for every color definition.

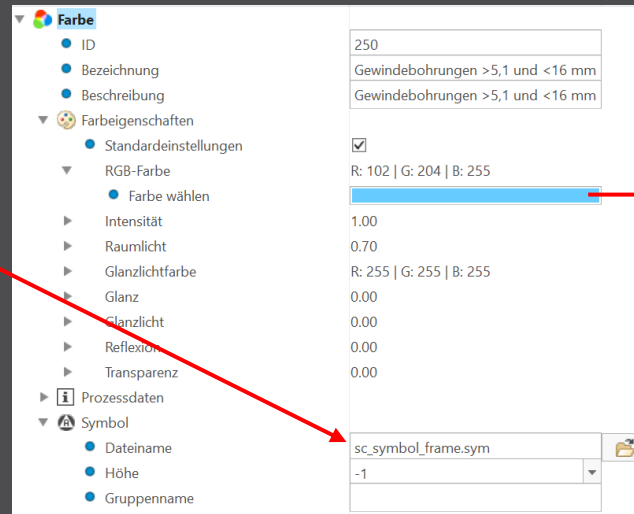


Set RGB color within legend symbols at runtime for a smaller number of symbol files and easier maintenance.

- Type: Improvement
- Define a single template symbol usable for all color definitions.
- The RGB color set for a color definition is automatically applied to filled areas inside the symbol.
- Check out the software documentation for more information (chapter „Appendix“ → „How to create Legend symbols“).

| | | |
|----|--------|---------|
| ID | Upper | R\red |
| id | Middle | G\green |
| | Lower | B\blue |

Symbol template
„sc_symbol_frame.sym“



| | | |
|-----|---------|------|
| ID | ± 0.006 | R102 |
| 250 | | G204 |
| | | B255 |

Created symbol instance
„250.sym“ based on the
template symbol and the
color definition.

Contact



| | |
|---------|--|
| Mail | smartcolor@buw-soft.de |
| Phone | +49 9131 – 53387 07 |
| Address | Weisse Herzstr. 2a D-91054 Erlangen |