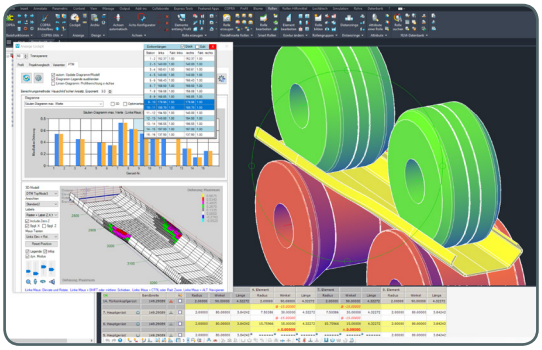
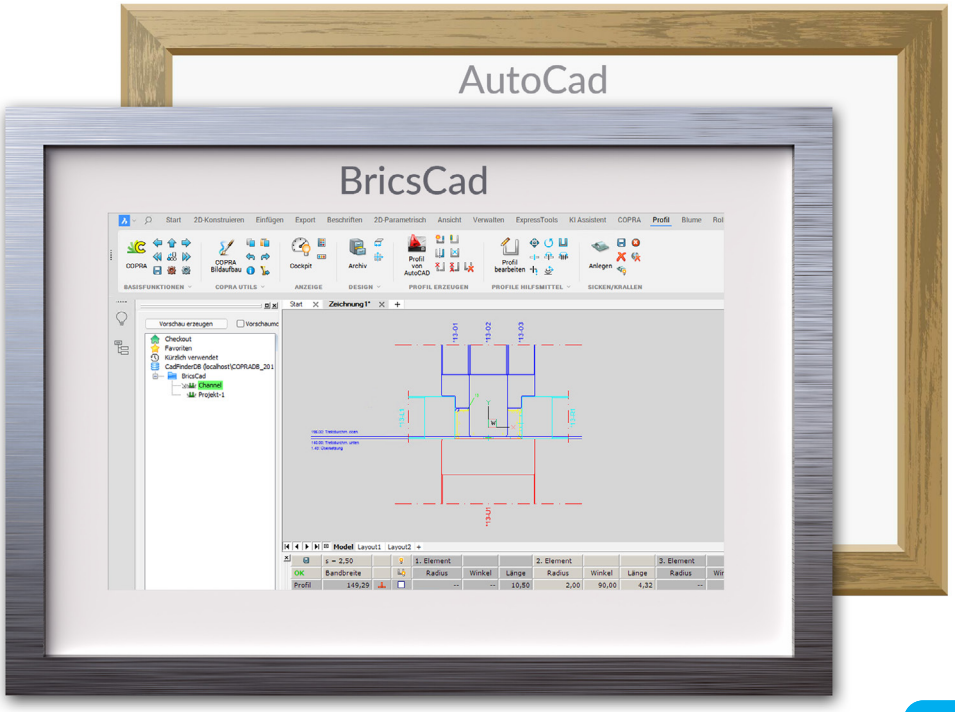
COPRA® RF 2025

Release Notes

COPRA® RF State-of-the-Art Roll Forming Design





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COPRA® RF
What's New in Version 2025

With COPRA® RF 2025, we present the latest version of our market-leading roll forming software. This update not only offers numerous improvements that further simplify the day-to-day work of roll form designers and increase efficiency, but also adds support for another CAD system. In addition to the previous options, you can now also work with BricsCAD®, giving you even more flexibility. COPRA® RF 2025 combines proven features with new possibilities to provide you with an optimized and user-friendly experience.

New Features

NEW

Support for AutoCAD® 2025/AutoCAD® Mechanical 2025 and Inventor® 2025

This version supports the latest versions of the relevant Autodesk products. Users can now use COPRA® RF together with AutoCAD® 2025/AutoCAD® Mechanical 2025 and Inventor® 2025.

NEW

Support for a second CAD system: BricsCAD®

In addition to AutoCAD®, in this version, we are pleased to introduce full support for another CAD system in a Windows environment: BricsCAD®. BricsCAD® stands out with its minimal system resource requirements, rapid startup time and flexible license models, making it an excellent alternative to the established standard.

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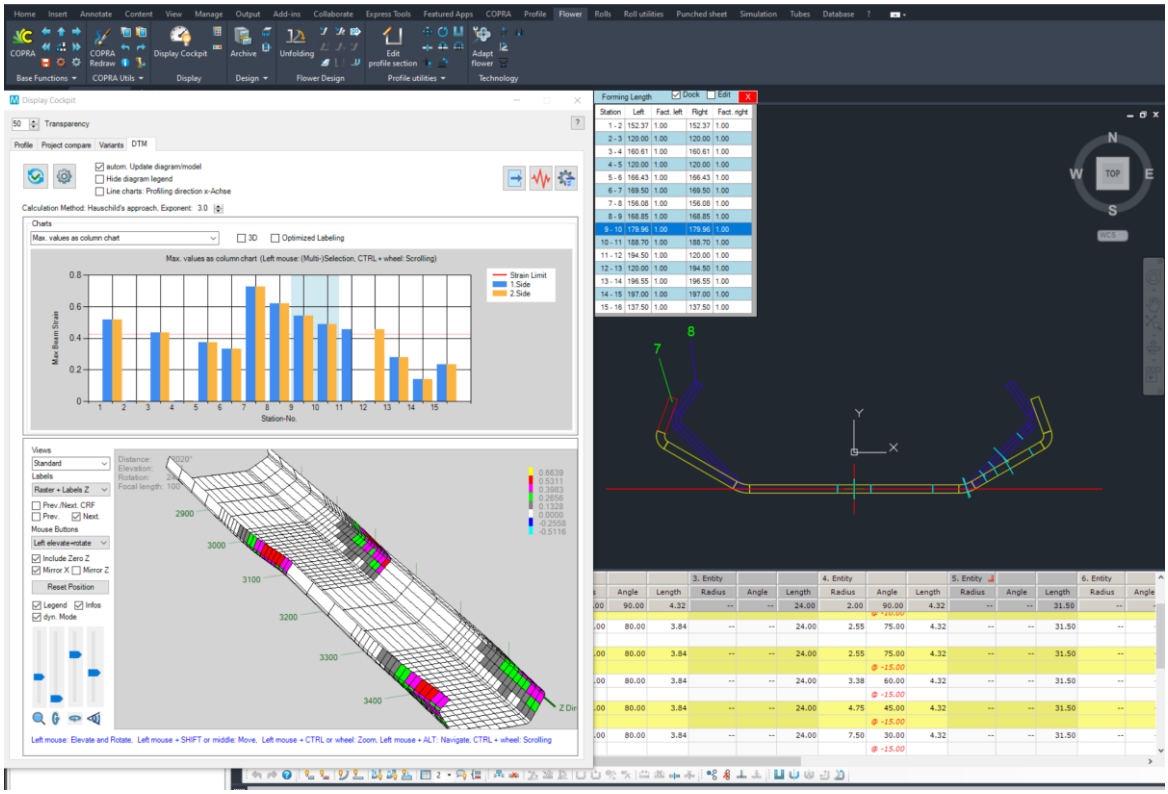
NEW

Real-time DTM

Introduction of dynamic DTM support, which makes it possible to calculate and visualize strain data in real time. Changes to the project are updated immediately and taken into account in all relevant views and calculations. This is particularly helpful when creating and modifying the flower, as adjustments are directly visible in the model and the diagram.



DTM Features:

- Integrated in the DisplayCockpit
- Real-time calculation and display
- Also works with dynamic unfolding
- Various diagram options
- 3D diagrams can be rotated 360 degrees for better visibility.
- Optional display of the forming length table with update in real time.
- Passes/stations selected in COPRA are marked both in the diagram and in the forming length table.
- Intuitive navigation: By simply clicking in the relevant area of the 3D model (or diagram or forming length table), COPRA automatically jumps to the relevant station, allowing users to quickly and accurately assess the

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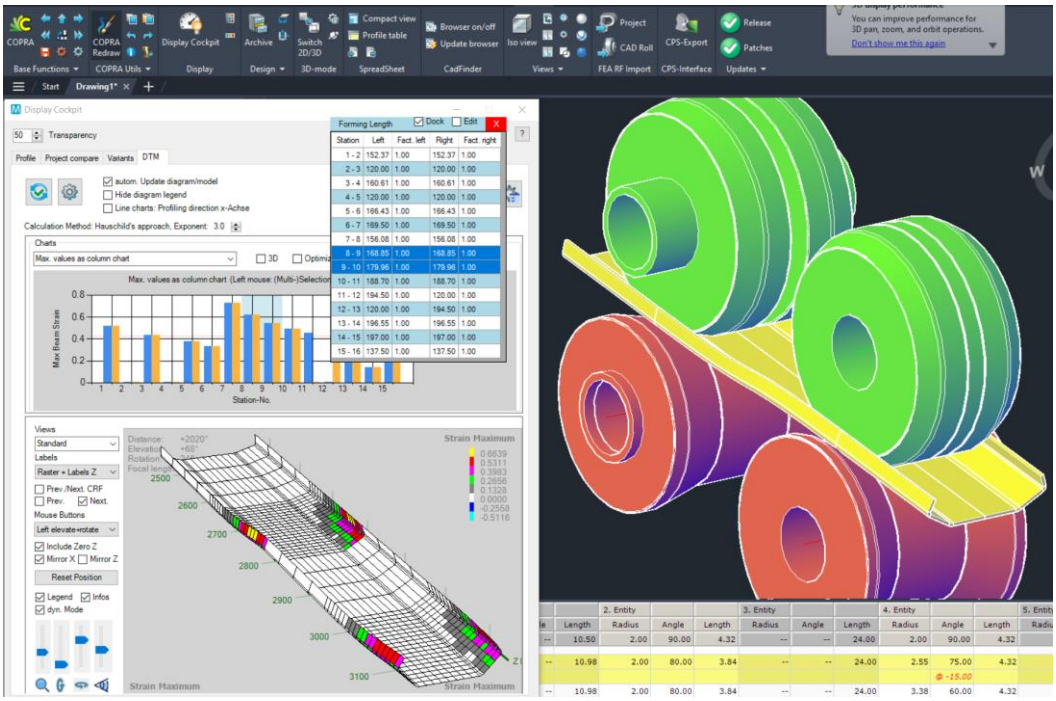
deformation and make adjustments. Multi selection is possible in the diagram and the forming length table

- Extended 3D model view: The 3D view offers a wide range of options. Users can customize the mouse assignment, show or hide grids and labels and display info texts for better orientation. Predefined 3D views are also available to make it easier to switch between different perspectives. User-defined views can also be added. You can flexibly choose between a dynamic section and the overall view of the model, which ensures precise editing and clarity.
- Compatible with the COPRA® 3D mode. The built-in navigation also works here.



- Hauschild exponent can be adjusted dynamically using the mouse wheel. Every change is immediately visible.
- A factor can be applied to the forming lengths (left/right) for each station and is saved for each project.
- By changing the exponent and/or the factors for the forming lengths, the calculation can be calibrated within certain limits using results from simulations.
- Classic DTM is still available.

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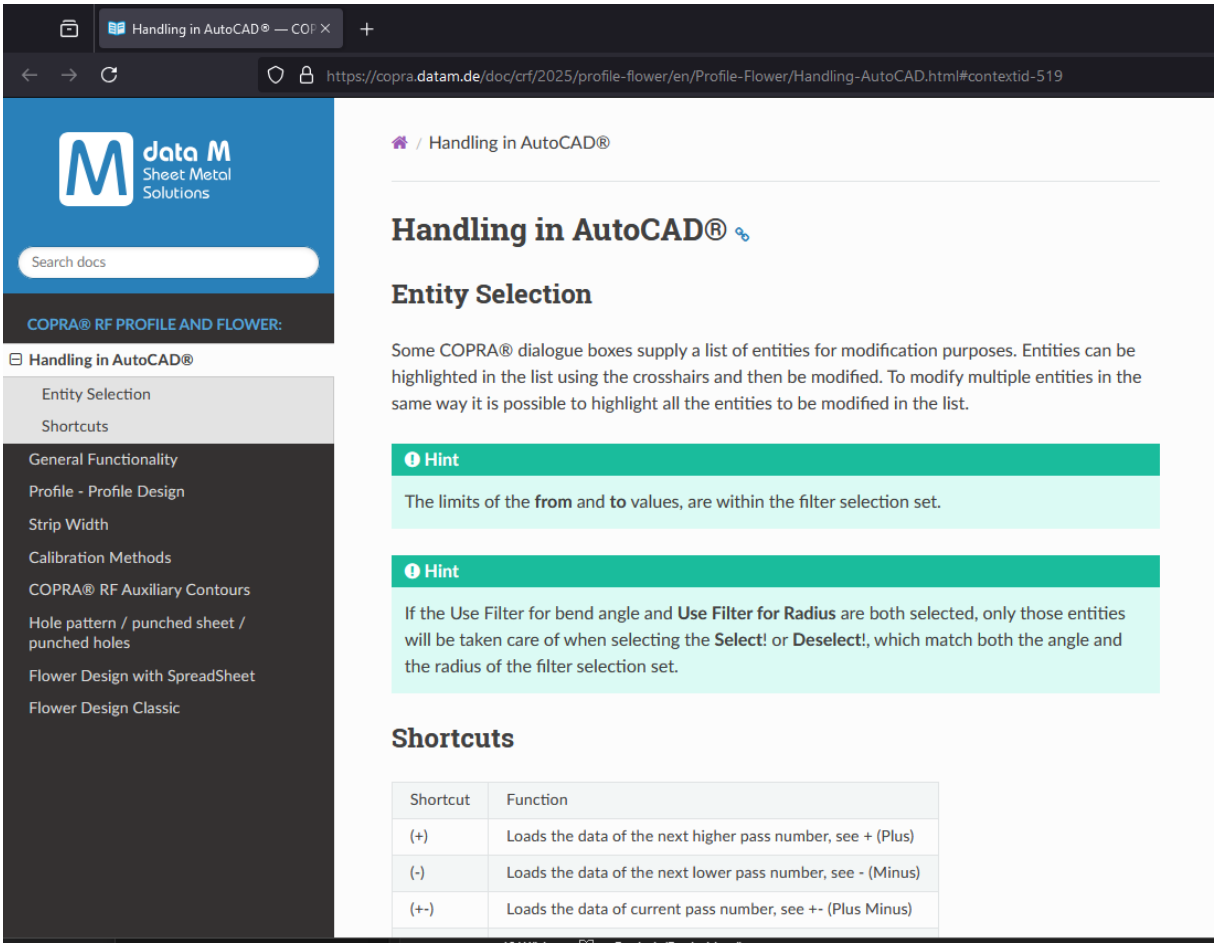
Improvements

IMPROVED

Enhanced online help

The online help has been modernized and now offers a more user-friendly interface that works in all browsers. This significantly improves the accessibility and use of the help functions.



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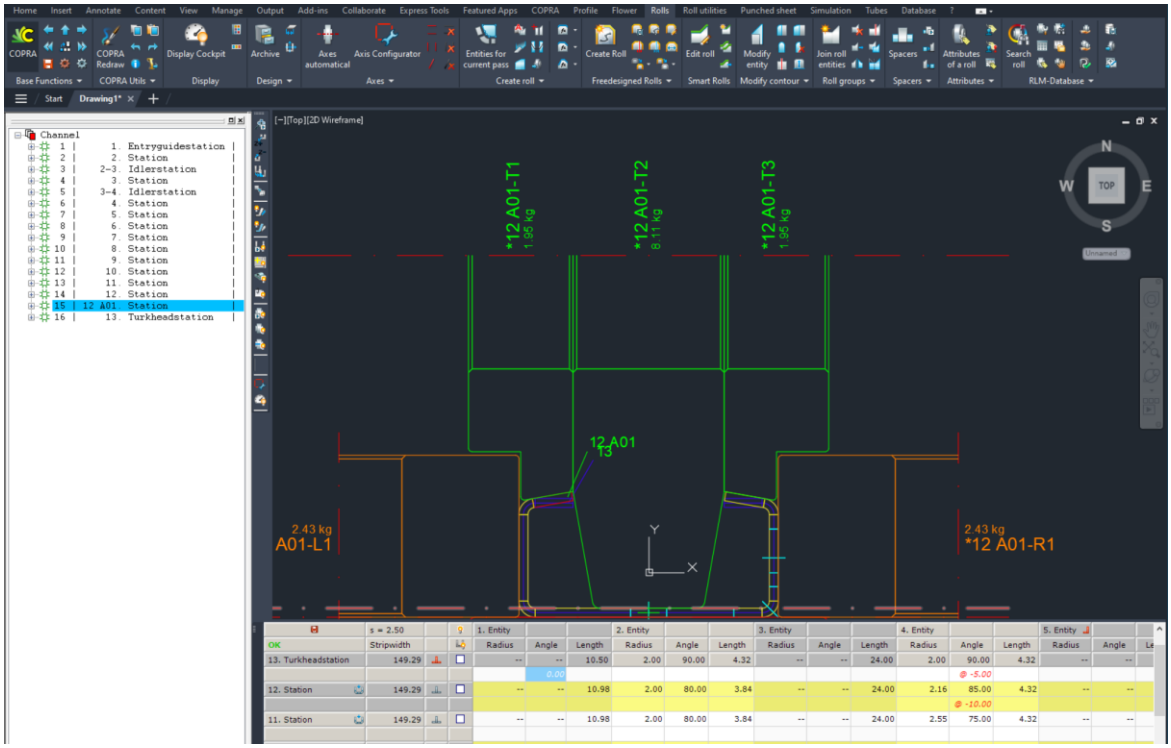
IMPROVED

Inserted stations

The functionality for inserted stations has been revised.

When a forming station is declared as an ‘Inserted Station’, this station will not be considered in the numbering of stations. This allows for e.g. subsequently adding stations to an already existing assembly without affecting the numbers and names of the existing stations and rolls.



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IMPROVED

Other improvements

- COPRA2FEA : If the FEA settings dialog (COPRA2FEA) is opened, COPRA is no longer blocked. It is still possible to work in read mode now.
- Single roll dimensioning: The correct material is now entered.
- Single roll dimensioning: visible edges were sometimes drawn incorrectly (incorrectly rotated and/or in the wrong direction); point for hatching was determined incorrectly for rolls on the right side axis. This has now been corrected.
- Material dialog: -A help button is now available
- SpreadSheet: the decimal point value was always set to 2 -> incorrect correction occurred for changes smaller than 0.005 (inch projects!). This is now fixed.
- SpreadSheet: if an element was fixed with negative angle, this resulted in a negative positionNL -> if later unfolded with constant radius, this resulted in an incorrect radius. This has now been fixed.
- SpreadSheet: resolve mirrored profile with crimps/claws (crimps were not mirrored). This is now fixed.
- Attribute “Number like a spacer ring”: The roll is only numbered like a spacer ring, but remains a roll and is included in the numbering.
- Automatic left/right spacer rings did not work in certain constellations. This has now been fixed.
- Automatic axes configurator: Number of decimal places in inches is now set to 4
- Options Roll info: Max. Roll weight is now editable again.
- 4K adjustments for various dialogs
- The roll weight was always displayed as 0 in the roll attributes. This has now been fixed.

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- Cadfinder: When renaming top-level projects, the directory is now also renamed.
- Hint boxes are now always in the foreground.
- Material/sawing list: Additions when using the material list are now calculated correctly.
- Weight calculation for rolls in CRF 2013 projects -> density was always 0 and therefore the weight was 0. This is now fixed.
- All roll numbers were marked as fixed. This is now fixed.
- Sawing list “Tableview” in Taiwanese: Diameter symbol was displayed incorrectly
- Sawing list “Tableview” in Japanese: Diameter character was displayed incorrectly
- Axis configurator: Exception error occurred when creating a side axis if the other one already exists. This has now been fixed.
- When switching to flower, any slides were not drawn. This has now been fixed.

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2025.1 Improvements

- After finishing the 'Adjustment of Rolls' function, reference lines were not deleted
- Incorrect translations in Chinese and Japanese languages
- Exception when executing the cutting list with spacers in Japanese and Chinese language versions
- RLM database rolls were flagged as modified after inserting into projects
- Profile element compact view caused an exception
- Project info and snapshots did not work in some cases
- Display of DTM profile was not correct when negative profiling direction was activated
- Roll weight was displayed in the wrong positions in some cases
- Roll numbers were displayed with wrong rotation in some cases
- Error message on multi selection in COPRA station browser
- When mirroring accessory axes, rolls disappeared on the newly created axis
- Wire: Missing context menu in COPRA wire forming table
- Tubemill: Bottom roll gap in 4 rolls welding pass got always calculated (impossible to enter manually)
- Tubemill: In some cases, the top roll in breakdown passes was positioned according to the largest thickness
- Tubemill: Missing station names in some GUI elements

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2025.2 New Features

NEW

Support for AutoCAD® 2026/AutoCAD® Mechanical 2026 and Inventor® 2026

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2025.2 Improvements

- Axis configurator: The number of decimal places displayed can be set.
- Roll numbering: The display of the distance ring number can be switched off.
- Creation of special rolls: The dialogue for the pass number query now also takes Unicode into account.
- Write archive: If the 'Use Cadfinder' option is set, a new archive with a new file name is created. The old archive is retained.
- SpreadSheet: Pass changes in the SpreadSheet table are also possible in read-only projects.
- Roll weight: Correct calculation and display depending on the set unit of measurement (millimetres/inches).
- Optimizations: Speed of XML operations and attribute comparison improved.
- CopraStart: Deleted profiles are taken into account and there is the option of forcing a new profile.

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