



CAD & grading

Get into the fast lane with CAD!

YOUR BUSINESS FIRST

Competitive advantages with CAD

Nothing is done in pattern construction nowadays without CAD. Cad.Assyst 20.18 gives you market-leading design efficiency, and you can create entirely new advantages in terms of speed and costs with CAD management, collaboration, automation and system integration, the major new challenges for your CAD system in the future.

Even seasoned professionals can construct patterns up to 20% faster. The Smart.Guide technology, visualization, data sharing in the Cloud and automation in Smart.Pattern significantly reduce the development workload for your pattern designers and also enhance quality. At the same time, Smart.Pattern also leads to company and partner-wide standardization – in lining construction, for example, or routine adaptations during grading. However, to really develop seamlessly, you must be able to use all the data throughout the whole process – and Cad.Assyst gives you exciting new options here as well! Your advantages:

- > Uniform standards and routine task relief, thanks to automation
- > Availability of CAD pattern data throughout the entire development process

INTEGRATED SYSTEM SOLUTION

Collaboration across multiple sites

Cad.Assyst also gives you decentralized access to your CAD databases. Teams can collaborate across locations or quickly access central data from mobile workstations using either your network or even more easily with the Fashion Cloud GoLive. With Cad.Assyst, you make sure that your cut files are always available throughout your entire process chain. All your data is made available, including dependencies and with the preset configuration. The Cloud can be accessed directly from Cad.Assyst.

Integration with product data management

Cad.Assyst can be wholly integrated with PLM GoLive. This not only applies to the open pattern data, but also to every workflow in pattern construction – and these workflows can also be controlled via Assyst's PLM system. Cad.Assyst is also closely linked with iSize, Automarker.com and 3D Vidya.

Adaptation of sizes systems

Size tables optimized in iSize can also be used in Cad.Assyst. Alterations to be made throughout all the sizes can be done much more easily in Smart.Pattern.

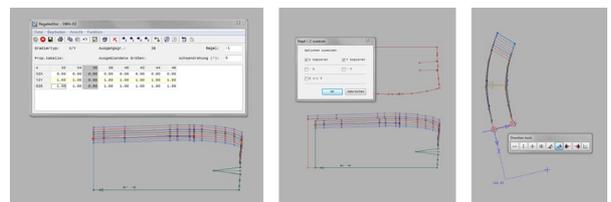
NEW IN CAD.ASSYST

Layer visualization

Work can be carried out with pinpoint accuracy by switching cut pieces on and off and locking them – and the visualization of the elements that are relevant for the modification makes working even easier. Switching elements and information on and off also creates a transparent workflow.

NEW! Simplifies grading functions

The "Grading Rule Editor" grading function has been completely renewed. It now offers multiple possibilities for creating, assigning and flipping grading rules – and the setting of grading rules has also been considerably simplified to help you reach your objective faster. Any number of parts can be assembled with different options, taking the grading into account.



NEW! Expansion of the pleat function

The new pleat function in release 20.17 has been expanded yet again. of course available instantly for the 3D Vidya simulation.



Image 1: Layer Visualization

Image 2: Pleats and Darts

Image 3: Smart.Texture

Image 4: 3D-Grading

SMART TECHNOLOGY IN CAD.ASSYST

Smart.Filter

You can map multiple variants in one cut piece. To process the desired variant (e.g. only a bag), you simply filter it out and use it along the process chain. The advantage? Now you can make all your alterations in just one cut piece.

Smart.Texture

Visualizing the fabric texture in color is ideal for cut piece positioning and matching. This new function also significantly simplifies the documentation, which is

Smart.Guide

Cad.Assyst combines intelligent construction & design aids to form an end-to-end productivity concept. This saves you many clicks (and consequently time).

Smart.Measure

The Smart Measure monitor images measuring tracks live. Every effect an alteration on your pattern piece has on the dimensions is immediately imaged – even throughout the entire size ranges – and the image can be output as a sizes table.

Smart.Pattern

Smart.Pattern offers a wealth of automation options for pattern construction. The Dynamic Frame concept makes it easier for all users to access the powerful Macro Library.

Smart.Label

All the elements in the CAD pattern, such as lines, points and notches can be labeled with additional information. In this way, several lines are converted into a specific seam or pattern area, like the waist, for instance.

3D IN CAD.ASSYST

3D grading

In Cad.Assyst, you can perform grading on the 3D body. With 3D Grading, you have a 3D model with the real dimensions for all graded sizes in combination with your pattern – in the benchmark size. Just set the grading changes for the appropriate sizes on the relevant parts of the body.

3D Vidya und Cad.Assyst

The synchronization between Cad.Assyst and 3D Vidya enables the step-by-step setup of the simulations. Pleats and darts defined in Cad.Assyst are instantly available in 3D Vidya.

MARKER MAKING IN CAD.ASSYST

Gap and block

Modern gap technology facilitates the flexible and dynamic setting of secure clearances. The possible placements for the cut pieces are visualized during piece placement to find possible gaps faster. There are now many possibilities available; for example, the straightened block that enables even better cutting is new.

Variants

In a marker, you can work with variants during piece placement to try different placement options without creating unnecessary data.

Smart.Placement for sewing-compatible piece placement

Thanks to Smart.Label, the incorporation of structural specifications can be directly transferred from CAD to Automarker.com. This means that the pattern effectively supplies Assyst's Automarker with important spreading parameters.

ADMINISTRATION AND CONVERSION

Thanks to Easy-to-install, Cad.Assyst maintenance is simple – it can even be done by your company's internal IT department if desired. Cad.Assyst also offers many options for data conversion, like, for example, the integration of Investronica pattern piece data.

NEW! Export and import from AAMA / ASTM

The new export and import of AAMA/ASTM data is integrated into Cad.Assyst & Data.pilot – and the intuitive interface offers users a simpler and faster exchange of cutting data.

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