

Esko ArtiosCAD 22.11

Release Notes



ArtiosCAD 22.11 Release Notes



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System Requirements

[ArtiosCAD 22.11 and ArtiosCAD Enterprise System requirements](#)

[ArtiosCAD 22.11 and ArtiosCAD Enterprise 22.11 Client System Requirements](#)

What's new in:

- [Design](#)
- [3D](#)
- [Layout](#)
- [Manufacturing](#)
- [General](#)
- [Infrastructure](#)
- [Integration](#)
- [View](#)
- **[Enterprise](#)**

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What's new?

Design Enhancements

- **Resizable Design Templates (RDTs)**, aka, standards, for Fefco and ECMA have been updated in the ArtiosCAD style catalog. Updates will be an ongoing endeavor and new styles will be added in future releases.

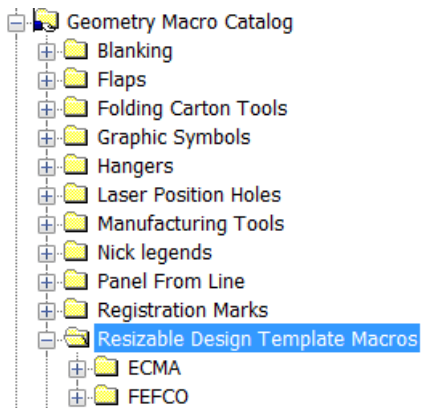
Navigate to Options > Defaults > Style Catalog > Resizable Design Templates



See <Artios folder>\<version>\Instlib\<library>\Documentation for xls files that describe how the RDT was constructed.

Example: C:\Esko\Artios\ArtiosCAD20.0\InstLib\ECMA\Documentation\ET_A20.20.01.01_.xlsx

Geometry macros which were used to construct the RDTs have also been added.



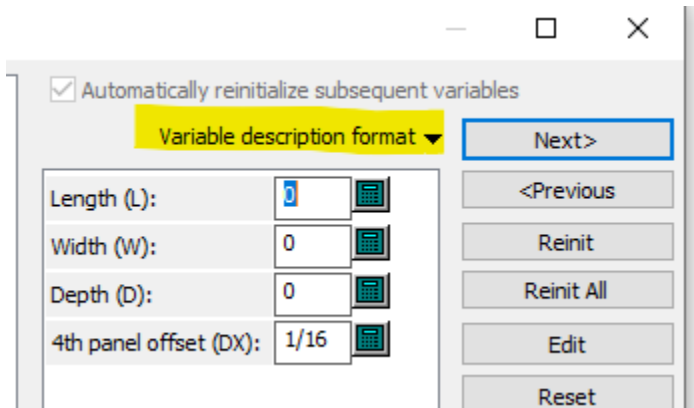
See <Artios folder>\<version>\Instlib\Geometry macros\<library>\Documentation for xls files that describe how the geometry macro was constructed.

Example: C:\Esko\Artios\ArtiosCAD20.0\InstLib\Geometry macros\ECMA\Documentation\EGM_A20_21_30_Cover_Tuck_flap_Bottom.xlsx

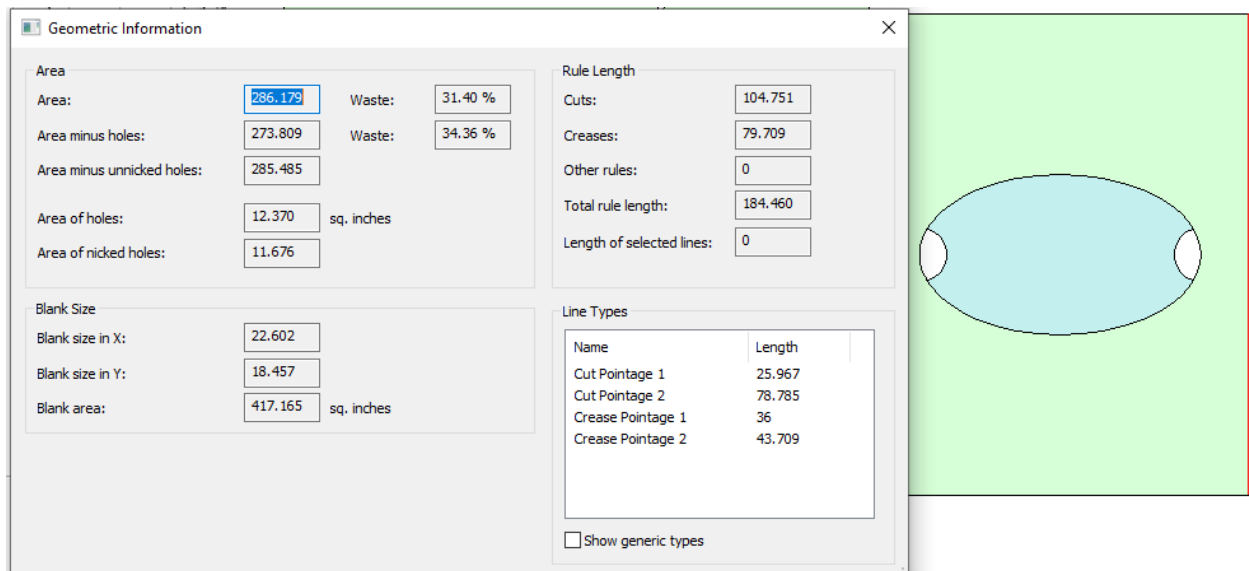
All previously released standards have been rerelease with improvements to the standard. These files are installed in the instlib directory in disk and will not replace any in ServerLib or ClientLib. The standards should be evaluated before considering moving them outside instlib for access by your designers.

- **Rigid boards (metric)** have been added to the ArtiosCAD board database
- **Run standard variables description** now has a label to describe what mode the user is in

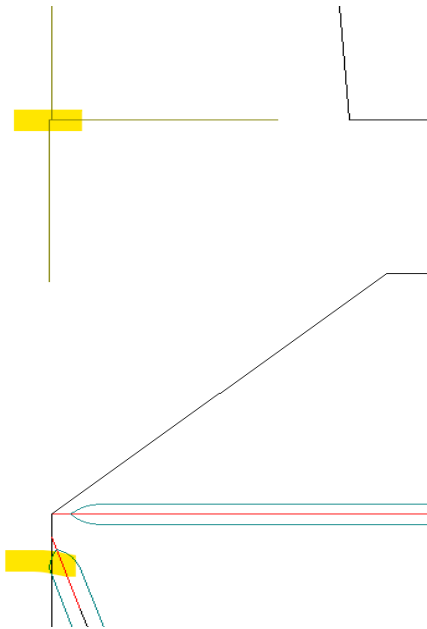
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- **Geometric information of nicked holes** has been enhanced. Thumbholes which are constructed within nicked holes are now as regular holes and their area from the overall area calculation. Alternatively, said holes are not part of the nicked area calculation.



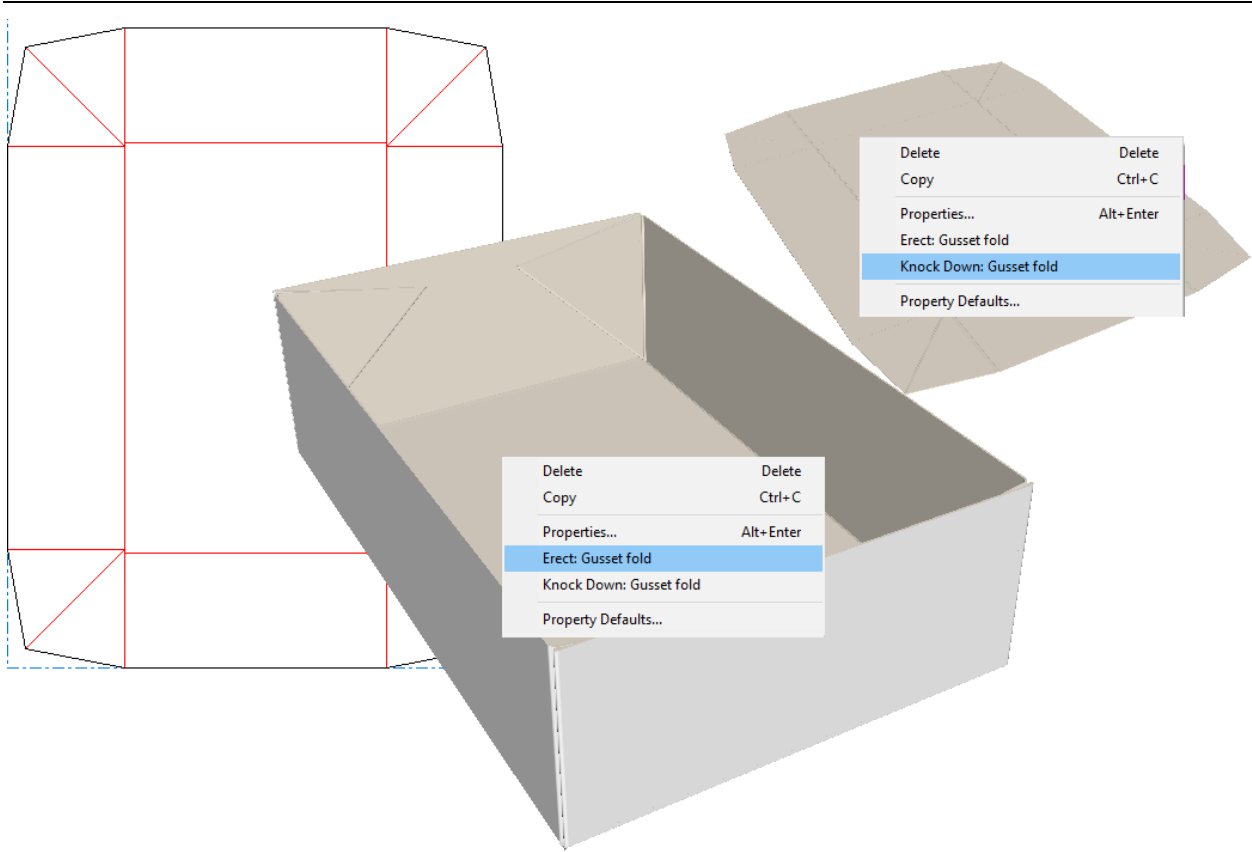
- Producing counters for **sample counters of designs that contain sharp crease angles** has been enhanced. If the underlying counter produces a channel that eclipses the design blank, the registration marks are shifted to ensure the full blank of the counter is included in the counter cutting output.



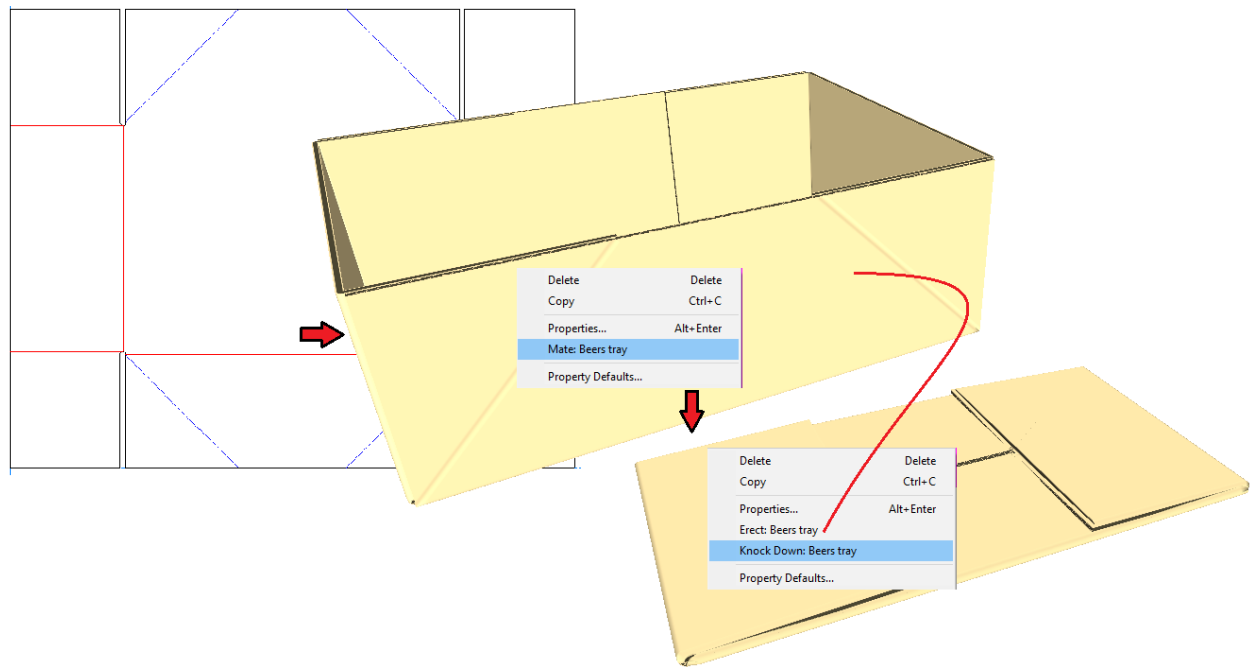
3D Enhancements

- Many (not all) types of 4-corner gusset trays & boxes, beers tray, in/out fold trays, gable tops can now automatically be folded to the fully erected state or the KDF state, with connected folds remaining connected

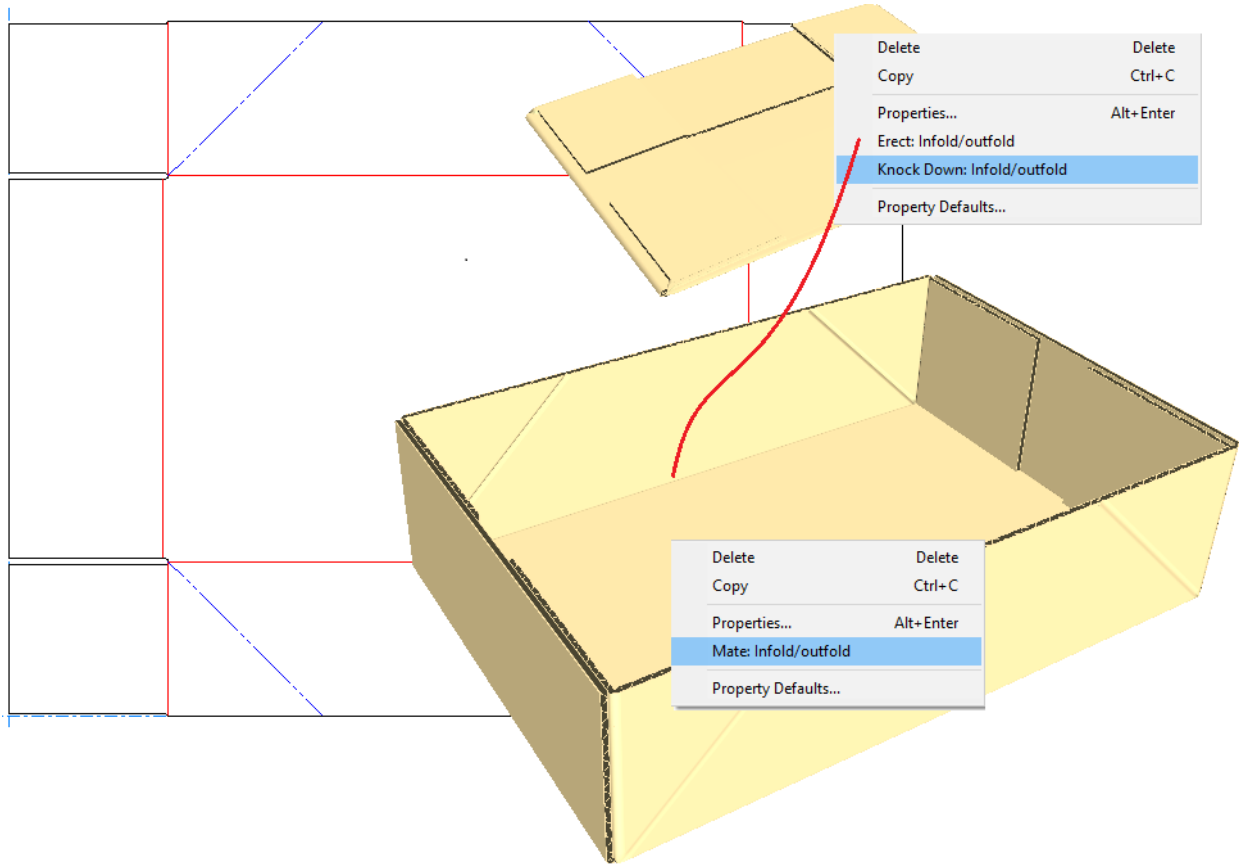
Gusset tray/box:



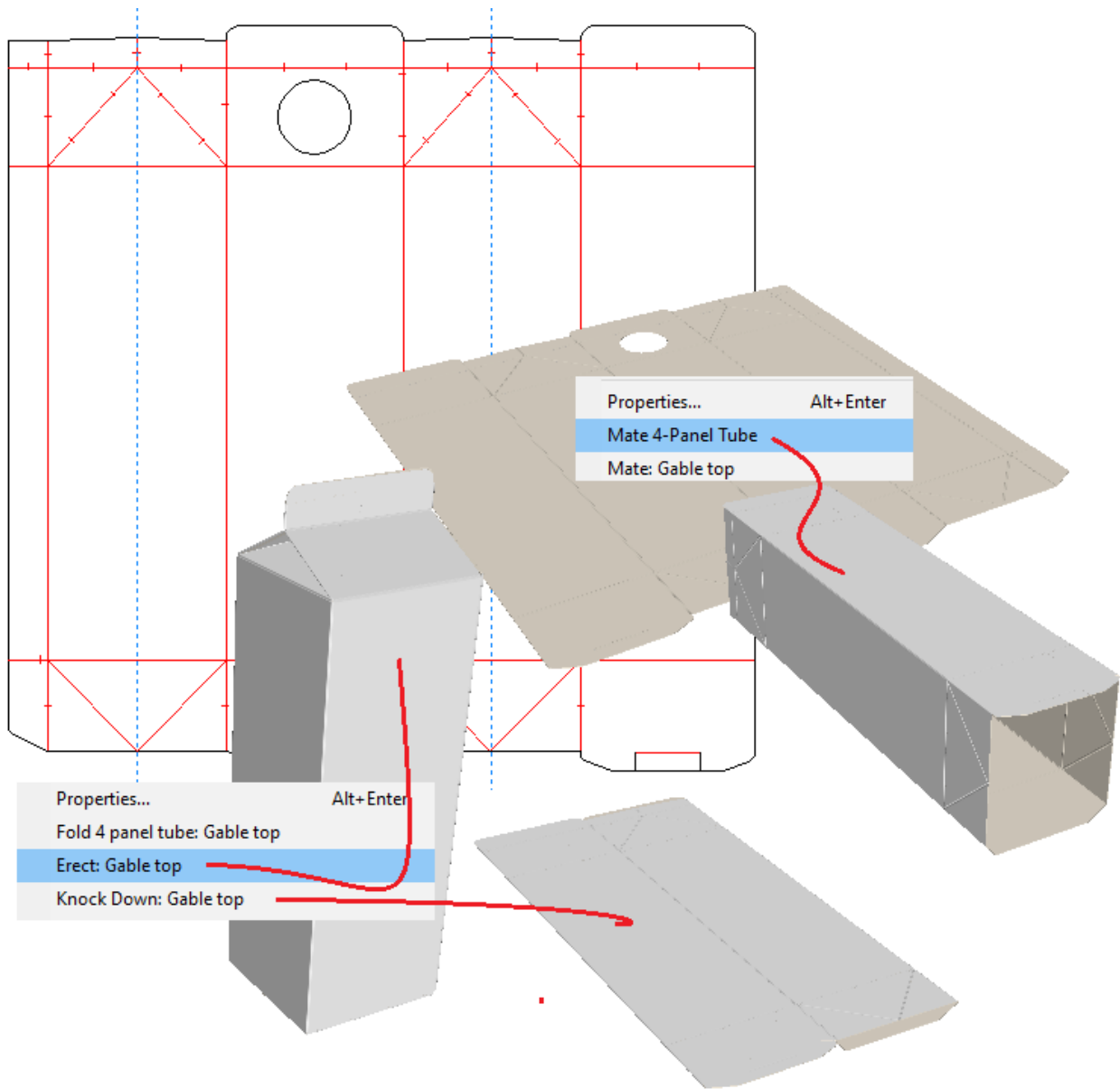
Beers tray



In/out fold tray

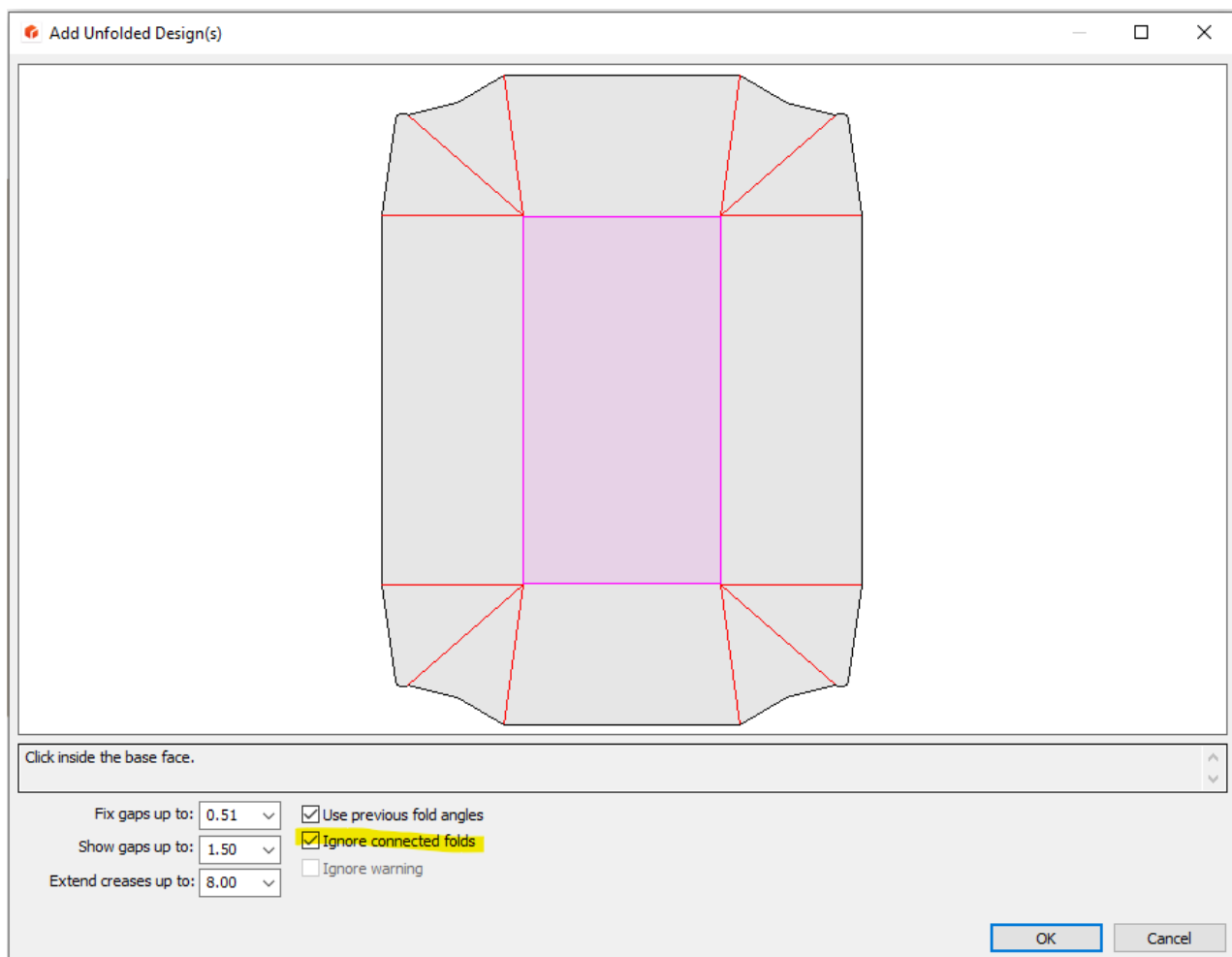


Gable top (Milk/Juice carton)



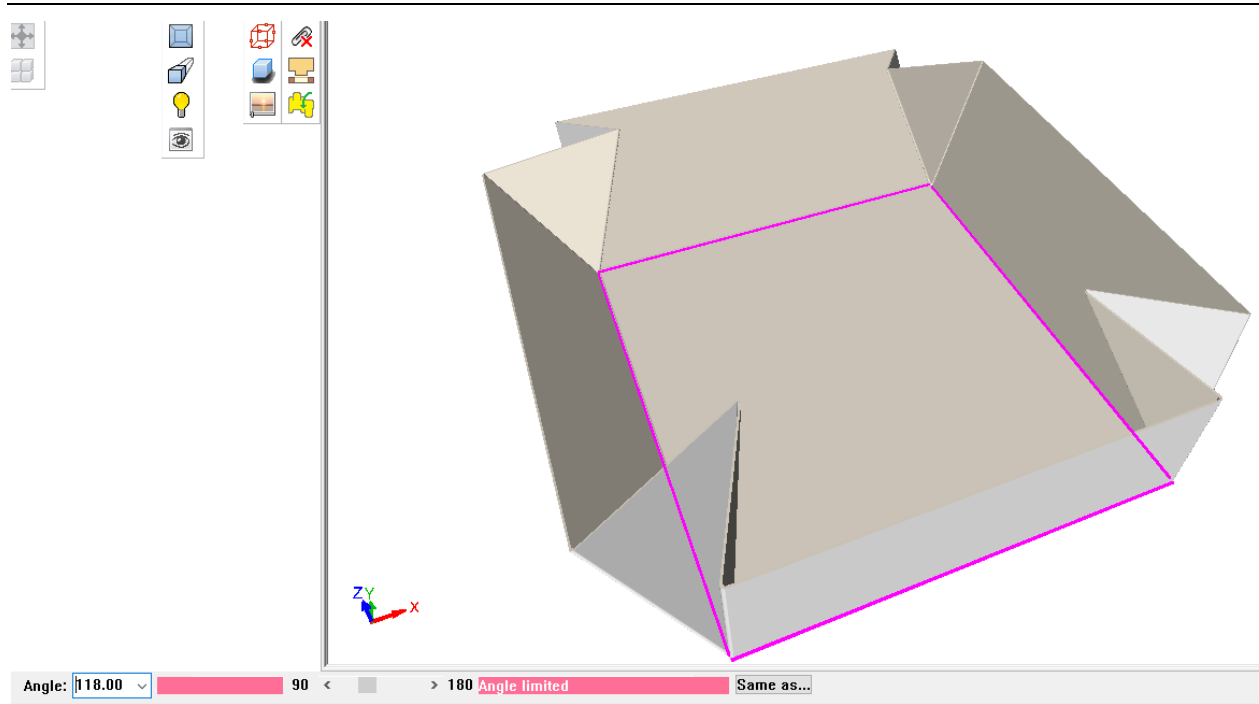
If the fold does not function in 3D, the user can still ignore connected folds:

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And treat creases independently.

When using *Fold*, *Fold All* tools, the appropriate creases needed to facilitate the necessary fold will be utilized and the range limited to erect and knock-down states.

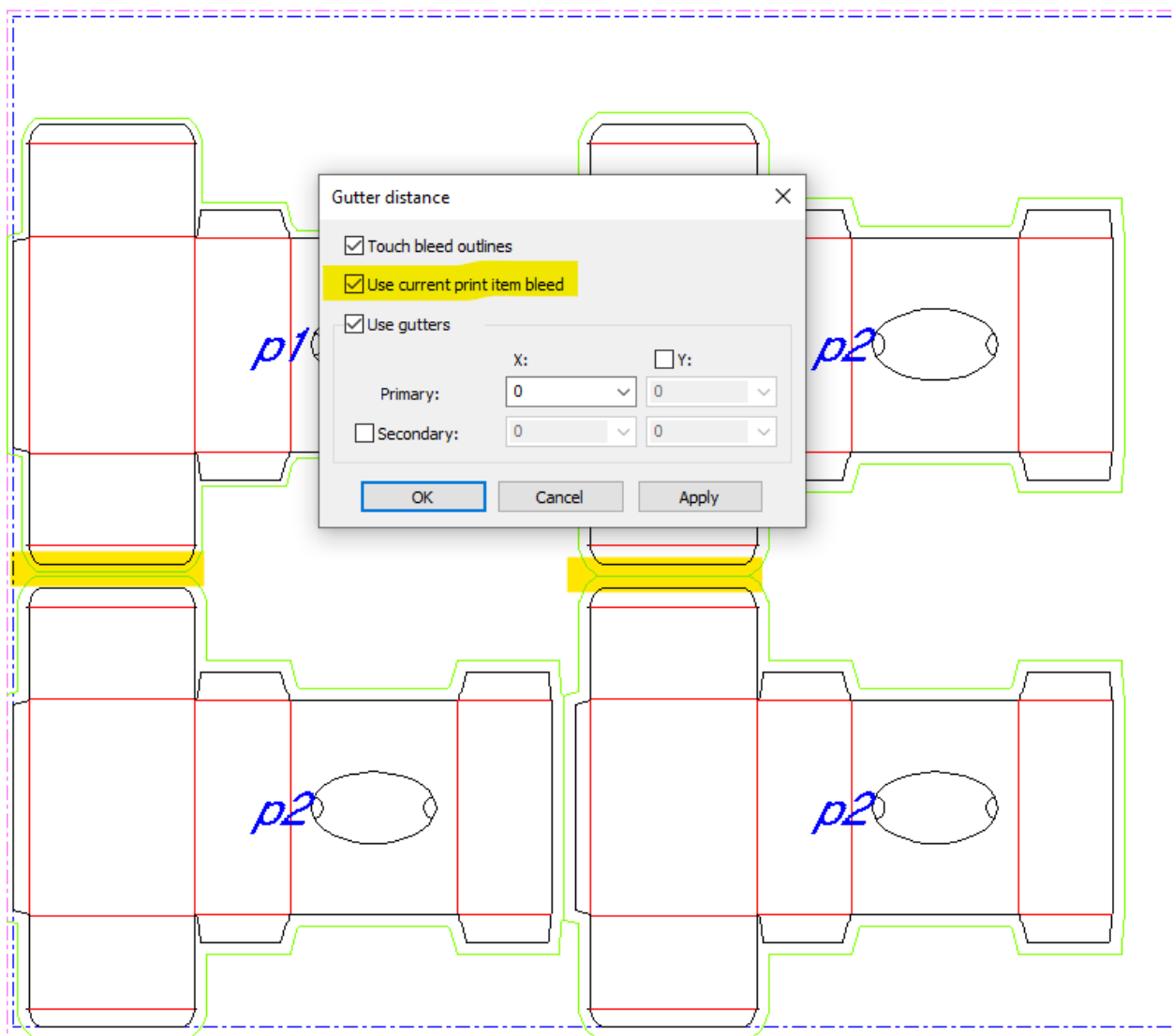


- **Artwork panels rollover case** from 3D now detects when a rollover flap is short than its counterpart in detecting Artwork panels in 3D.



Layout Enhancements

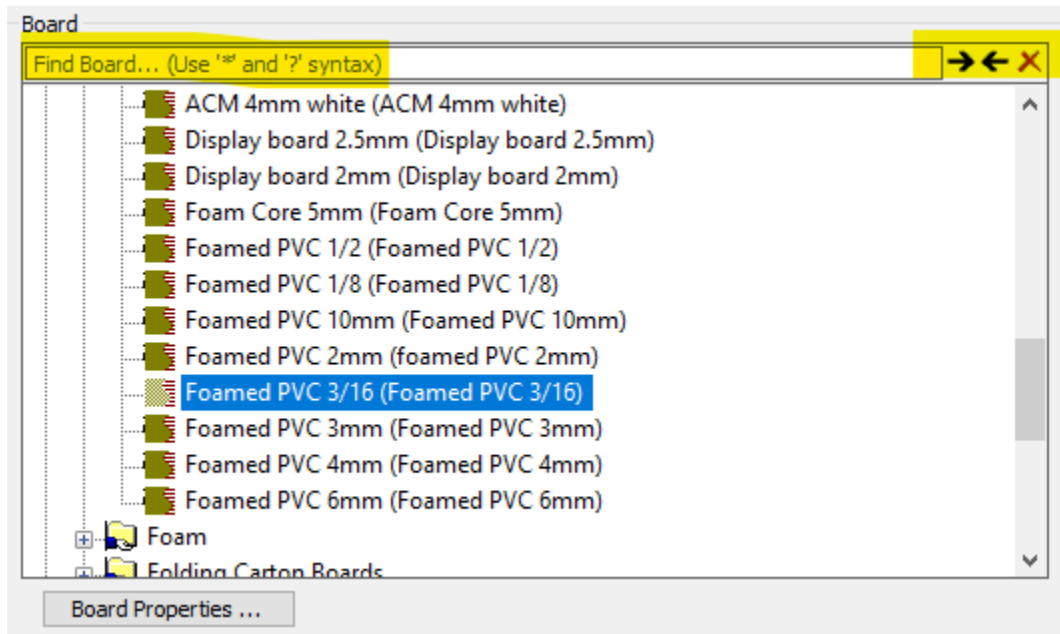
- When **creating a nest using bleed outlines, the current print item can be used**. This allows differing bleeds associated with different print items to be used when touching bleed outlines. Previously only the largest bleed regardless of print item was used.



Manufacturing Enhancements

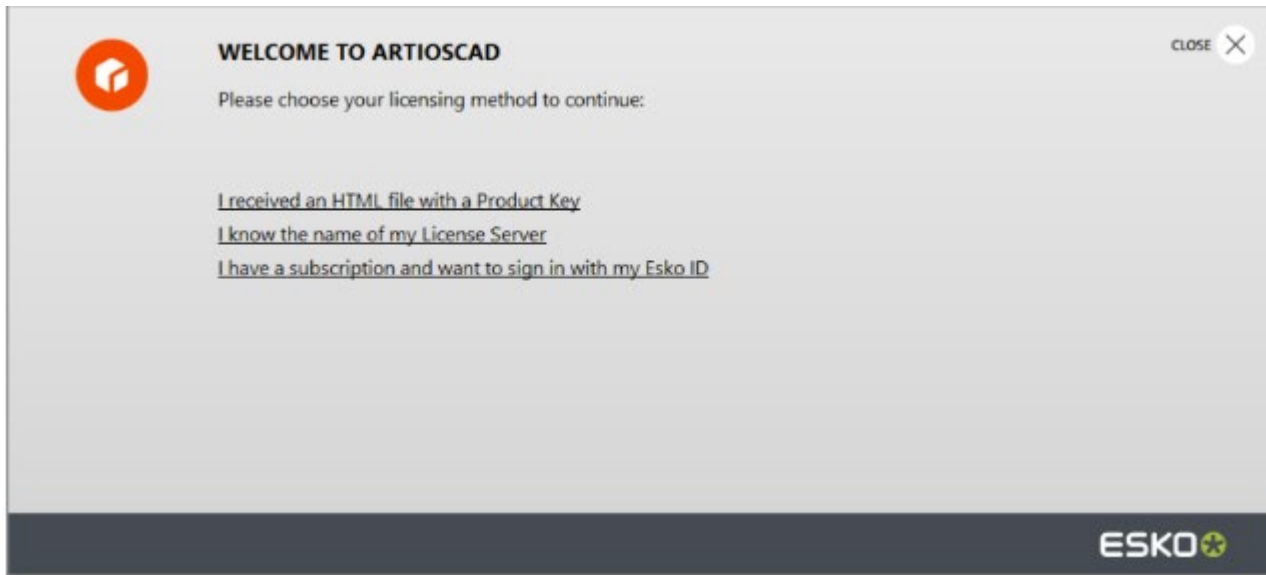
General Enhancements

- All board lists in ArtiosCAD standard and enterprise can now be filtered making it easier to find the board needed for a particular design.



Infrastructure Enhancements

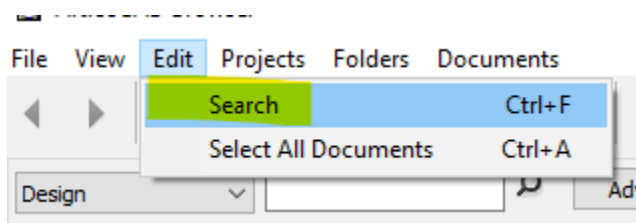
- **Dynamic subscriptions are now supported.** Such a feature allows subscriptions to float among different users. Dynamic Subscriptions are implemented in a similar way to Named User Subscriptions in that a user will need to sign in with an Esko ID to get their license. The differences are:
 1. Instead of a subscription being assigned to an Esko ID, it will be assigned to a group that can contain multiple Esko IDs.
 2. The group can have multiple instances of a subscription assigned, e.g., two instances of ArtiosCAD Design Essentials, rather than the one-to-one assignment that is inherent in Named User Subscriptions.



Integration Enhancements

Enterprise

- ArtiosCAD Enterprise client and WebCenter [interoperability](#):
 - ArtiosCAD 22.11 may be used with WebCenter 22.11, 22.07, 22.03, 21.11 & 21.07.
- [Browser search](#) can now be found with a shortcut/accelerator. The search box is always prepared to be entered with a click as well.



Problem fixes:

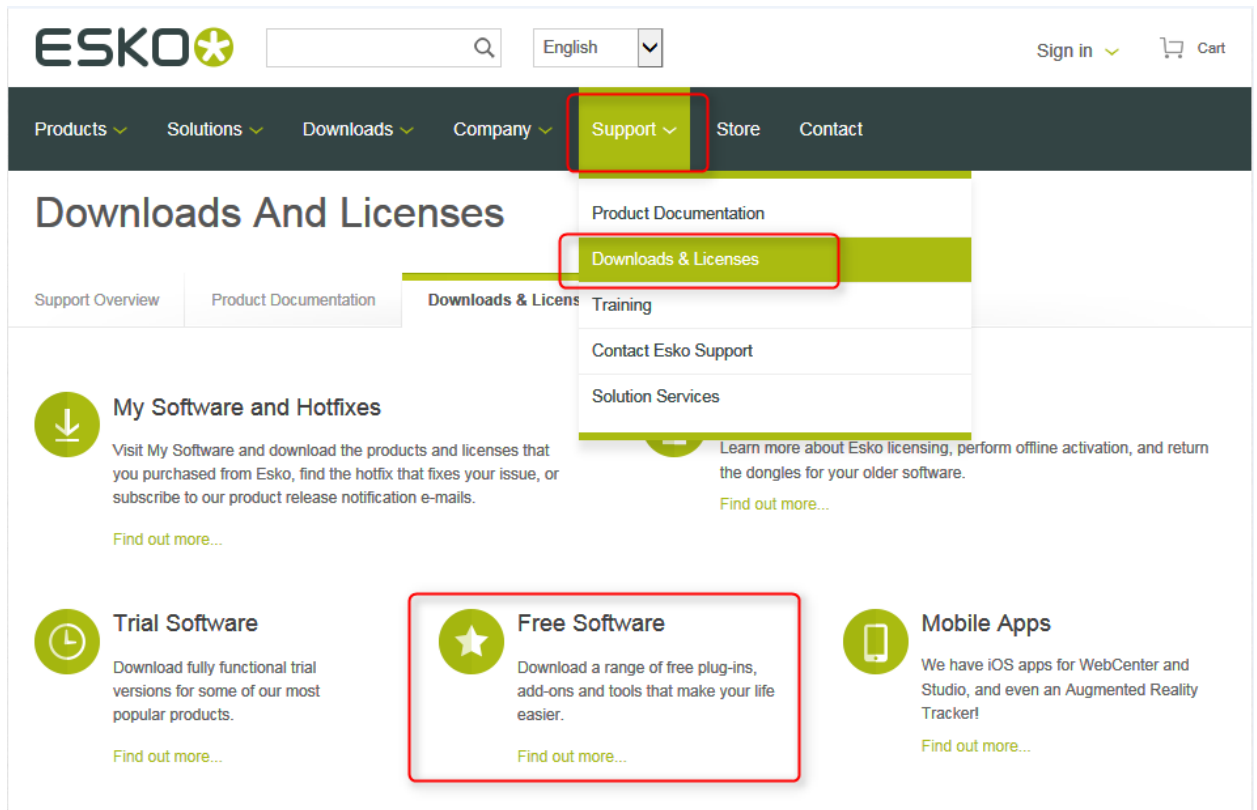
	Customer reported fixes
ACAD-9061	Rubber not generated properly around cut/crease rule
ACAD-9522	ArtiosCAD Enterprise removes task specification values when completing a task via ACAD browser
ACAD-9541	ArtiosCAD can not open created A3D anymore...
ACAD-9650	Typo in the default settings...
ACAD-9653	Gerber Style Counter example has a bad path to the counter position holes workspace
ACAD-9654	ArtiosCAD – Bleed line disappears
ACAD-9655	Text alignment
ACAD-9698	Issue showing the Area in “Geometric Information”

ACAD-9738	ArtiosCAD 3D Bug – Texture not applies in the cross section tool
ACAD-9743	ArtiosCAD Enterprise 21.11 is suppressing zero length lines on CAM outputs – so counter pos holes are missing in output
ACAD-9775	ArtiosCad pdf import error
ACAD-9777	Bug: In ArtiosCAD Enterprise Browser, sorting designs on Customer Name is not working
ACAD-9888	ArtiosCAD – crash on preview .DXF
ACAD-9895	Sort order of the BOM list in the Project Bar not correct
Important internal fixes	
ACAD-9603	Join rubber crash
ACAD-9605	Random crash on opening attached files w/ graphics
ACAD-9607	Error generating stripping blocks
ACAD-9615	FWS does not follow stripping rules
ACAD-9652	Change view angle in 3D using middle or right button does not set modified flag
ACAD-9671	Crash in open for this PDF/EPS file
ACAD-9680	Board texture in ACD file
ACAD-9681	Interact export from 22.03 is different than 21.03
ACAD-9688	PF Anomaly no longer found: merge points
ACAD-9690	PF Anomaly no longer found: Pointage zero creases
ACAD-9691	PF Anomaly no longer found: Rollover panels differ
ACAD-9696	PF Anomaly non-cuts in the outline – wrong for waverule
ACAD-9715	Output > EPS > Japanese > Fonts names are not multibyte; roundtrip
ACAD-9721	Cannot add bridges when bridging formula is set to zero

Important Notes for All Users

- Starting with 18.1.1, ArtiosCAD introduced preflight with some automatic corrections. One of these auto-corrections included the ability to remove double knives/lines. [The preflight correction ability resulted in an algorithm that now favored longer lines over shorter lines, as a way to make better technical designs.](#) Previously, shorter lines were favored. Rebuildable designs have been encountered where “double knife” removal was used as a design technique to create slots for example of small cuts lines over creases. This has caused some issues where item references which might have existed before are now being deleted during the double line removal step and causing rebuilds to be incorrect or fail. This technique was not anticipated. ArtiosCAD is restored some of the rebuild issues and is still working through others.
- **If the deployed licensing for ArtiosCAD is a [network license](#), the license server **must** be updated with the new system controller provided on the installation media.**
- [Flexnet](#) is the only licensing system utilized in ArtiosCAD. Users must be prepared to convert the licensing from the hardware key, Sentinel LM or Elan LM to Flexnet. As of Jan 2016, Esko will no longer be able to provide licenses for legacy licensing systems.

- Esko now provides a [knowledge base](http://help.esko.com/knowledgebase) at <http://help.esko.com/knowledgebase>. This site can be used to find detailed information for ArtiosCAD and other Esko products about many support questions raised to Esko.
- [Esko software](https://mysoftware.esko.com) can be downloaded from <https://mysoftware.esko.com> with a valid support account.
- [User documentation](http://help.esko.com) and help will be available from an online Esko site. Documentation will not be available from the media. The main site is <http://help.esko.com> from which ArtiosCAD and other Esko product documentation is available. The ArtiosCAD help menu will bring the user to the ArtiosCAD help page.
- The most [current Adobe®Illustrator® Esko plugins](http://www.esko.com) can be found at <http://www.esko.com>. Navigate as described below.



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Esko Data Exchange 14 (CS6 and CC)

Data Exchange Plug-in is a free and simple to use plug-in for Adobe® Illustrator® that acts as a bridge between Adobe® Illustrator®, and the Esko applications Automation Engine, PackEdge, Plato and ArtPro and between Adobe® Illustrator® and ArtiosCAD.

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ai-cut 14 (CS6 and CC)

Automate the process of adding i-cut registration marks to your jobs.

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WebCenter Connector 14 (CS6 & CC)

The WebCenter Connector opens native ArtiosCAD single designs, and Studio (Collada) files, stored in WebCenter and ArtiosCAD Enterprise within Adobe Illustrator. It also exports normalized PDF files back to WebCenter.

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- **PCIQ fonts** will be removed after ArtiosCAD 20. Please use true-type fonts.
- The **Artios** (introduced circa 1996 as a transition to ArtiosCAD) and **DBH** (the original interact format) file formats and use of the **devtab** as a configuration file for communicating with printers and ports are considered **obsolete** and support for them will be removed in post 18 versions of ArtiosCAD.
- **Exports** under File > Export > ArtiosCAD 3.2x and lower may be removed in future versions of ArtiosCAD.
- **Windows 11, Windows 10 editions** has been certified for use with ArtiosCAD as a standard mouse-controlled application. There are some installation limitations. See [KB344821882: Which versions of Windows 10 are supported?](#)
 - There are Metro GUI limitations:
 - The application folder structure organized in previous versions of windows 8 has been flattened. There will be multiple application tiles.
 - There is no support for touchpads nor touchscreens and any use of gestures is purely coincidental.

- The [IO Server](#) (ArtiosIO) is now supported on Windows 7 and higher since Artioscad 14. 1. This means older DataTech plotters still using the IPC controller or any device with an RS232 connection will be supported
- Many users have or are planning to deploy [Citrix, Terminal Services \(TS\) environments or some other application hosting system](#). Esko has *not* officially certified ArtiosCAD for use in a Citrix or TS environment, however, Esko does not prevent its use as long as the customer accepts responsibility for deployment and support of the environment.

Esko has verified that ArtiosCAD can run as a Citrix or Terminal Services client and has licensed ArtiosCAD appropriately, however, there are some limitations, *including but not limited to*:

- Flexnet network licensing must be used.
 - License reservation or denial via floating license servers is not supported.
 - Graphics cards are installed on a Citrix or TS server and ArtiosCAD 3D uses the server card for 3D rendering. The performance of many concurrent 3D users is unknown.
 - The exact server specifications (example, memory, processor) for a given set of clients is unknown.
 - There are essentially no user defaults, since every Citrix or TS client is running from the same Citrix server.
 - There have been reports that access to local devices like hard drives or printers can freeze the machine. It is unknown if these issues have been addressed in newer versions of Citrix.
 - The HASP key used for the Alma PowerNest software in the ArtiosCAD rubbering layout can not be recognized by Citrix or TS and must be used on a client not connected to the Citrix server.
 - 64-bit Citrix has not been tested in any way.
- Many users are planning to deploy [VMWare ESX-based solutions, Hyper V \(Windows Server Virtualization\), Citrix XenServer or other hypervisor technology](#). Esko has *not* officially certified ArtiosCAD for use in this environment, however, Esko does not prevent its use as long as the customer accepts responsibility for deployment and support of the environment.
 - Artioscad has been certified for [VMware Fusion v7](#). The customer may run later versions of his own accord on hardware and OS of his choosing, but Esko provides no warranty of the resulting combination.
 - [3D graphics cards...](#) newer computers often come with some form of switchable graphics technology. This means that there are two or more video cards that switch off doing rendering duties on the system. Because of this, it is entirely possible that ArtiosCAD will be run using the low end, power saving chip. This drastically lowers

performance, and may introduce issues when working within ArtiosCAD 3D. It is sometimes also possible that the current chip changes, which can lead to all sorts of stability issues. It is recommended that the user go to the control panel controlling the graphics cards (NVidia Control Panel or AMD Catalyst Control Center) and create a profile for ArtiosCAD so it will use the high end chip always.

A number of rendering issues with NVidia cards and openGL have been raised. Changes were made to what is believed to be an improvement in the error handling of newer NVidia cards particularly those with dual graphic cards.

- Since its inception, Artioscad has provided a [database schema](#) that has always been backwards compatible with previous versions of Artioscad and 3rd party applications. An ArtiosCAD enterprise edition has now been released and utilizes a new database backend (WebCenter). It is expected that the database functionality for the conventional ArtiosCAD edition will be frozen at its current level. New design functionality will continue to be added. It is expected that a single database edition will be created in the future.