

Esko ArtiosCAD 24.11

Release Notes



ArtiosCAD 24.11 Release Notes

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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.

This is a list of new and modified standards:

ARTIOSCAD 24.11

RELEASE NOTES

New designs for 24.11		No of Designs		
Total	Corrugated Boxes	2		
	Interior Fitments	8		
	Corrugated Trays	13		
	Counter Display	4		
	ECMA	7		
	Total	34		

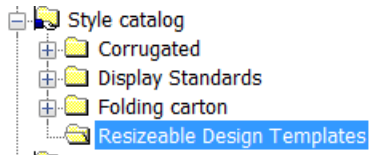
Corrugated Boxes	Interior Fitments	Corrugated Trays	Counter Display	ECMA
CB109	CF100	CT100	DC100	A01.20.00.01
CB110	CF101	CT101	DC101	A01.20.00.03
	CF102	CT102	DC103	A01.80.00.03
	CF103	CT103	DC105	A01.10.00.03
	CF104	CT104		A01.11.00.03
	CF105	CT105		A01.12.00.03
	CF106	CT106		A01.21.00.01
	CF107	CT109		
		CT110		
		CT111		
		CT112		
		CT113		
		CT114		

Modified:

FEFCO –FT_ 0713

ECMA- ET_A60.20.00.01

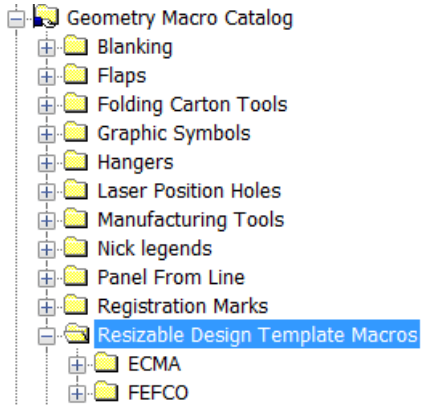
Navigate to Options > Defaults > Style Catalog > Resizeable Design Templates



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.



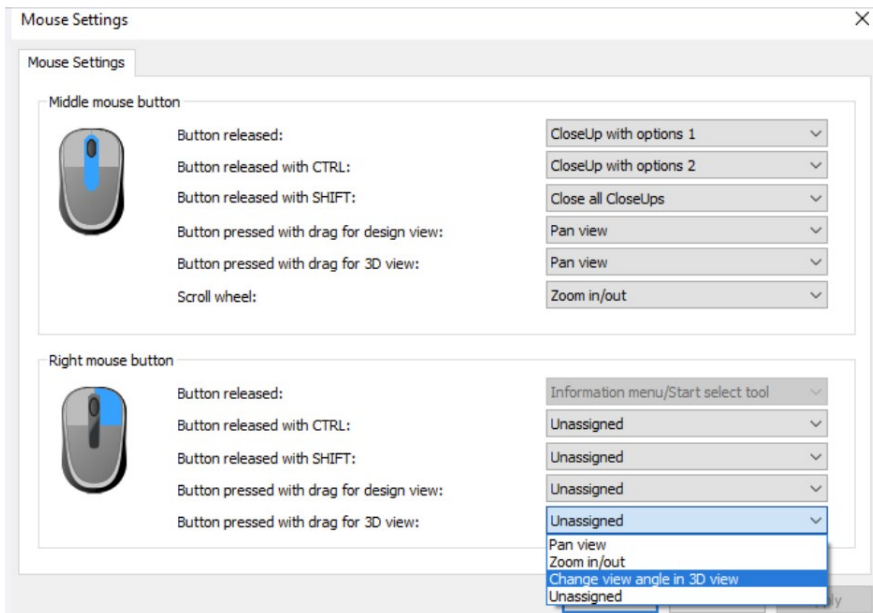
See <Artios folder>\<version>\Instlib\Geometry macros\<library>\Documentation for xls files that describe how the geometry macro was constructed.

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.

3D Enhancements

- The **3D default settings for the mouse** will be shipped for new users as the following:



- **Solidworks 2024** import is now supported via Spatial 2024 1.0.1
- **glTF/GLB 3D format import** is now supported

STEP (*.stp, *.step)
IGES (*.igs, *.iges)
CATIA V4 (*.model, *.exp, *.session)
CATIA V5-6 (*.CATPart, *.CATProduct)
ProE (*.prt, *.prt.*, *.asm, *.asm.*)
SolidWorks (2022 and earlier) (*.sldprt, *.sldasm)
XCGM (*.xcgm)
Parasolid (*.x_t, *.xmt_txt, *.x_b, *.xmt_bin)
Inventor (*.ipt;*.iam)
Siemens NX/Unigraphics (*.prt)
STL Format (*.stl)
JT 3D Data Format (*.jt)
PDF (*.PDF, *.AI)
Collada (*.DAE and *.ZAE)
OBJ (*.OBJ)
glTF (*.gltf)
Glb (*.glb)
Artios 3D (*.A3D)
Artios Design (*.ARD)
Artios Canvas Design (*.ACD)
Manufacturing Files (*.MFG)
Counter Layout (*.CTL)
All Files (*.*)

- Limitations: animations will not be imported
- **glTF/GLB 3D format export** w/ limitations removed:
 - Compression bends for Re-board will now animate.
 - Autobottom and Gusset folds will now animate.
 - Curved creases will now animate

glTF/glb animation Limitations that still exist

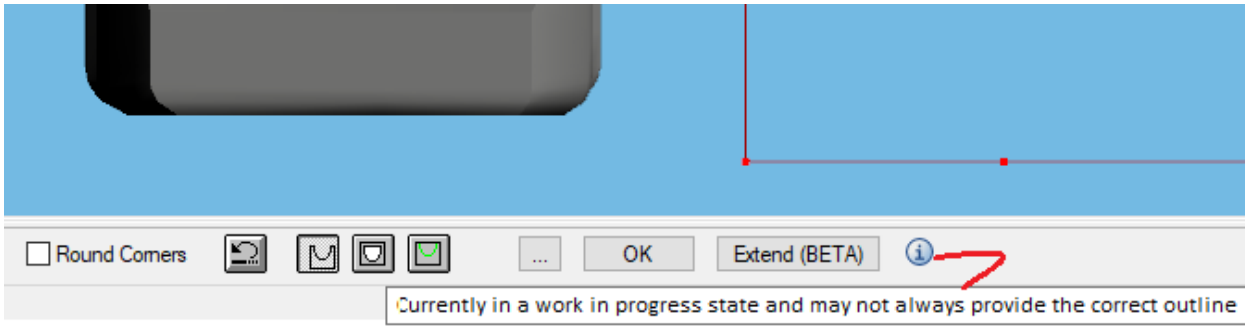
- 3D Panel & Edge mates will not animate
- ArtiosCAD animations are keyframe-based. MS apps like word and powerpoint only support skeletal animations, therefore an ArtiosCAD-generated glb w/ an animation can open but will not run in an MS application.
- ArtiosCAD-generated glTF/glb files that contain *bend* animations will not run properly in the Khronos viewer. They will run properly in other viewers like Babylon.
- **3D base animation mate limitation improved.**

Previously any design w/ a mate or automatic closure type (gusset trays, gable top/milk, beers trays, 123 bottom, autobottom) would not be able to turn the mate or connected fold off. This means this was no way for an animation that would show how the mated or connect fold came together. Previously ArtiosCAD would just snap to the mated or connected fold. There is now a process by which the user will be able to disconnect mates that allow the mate to be part of the animation.

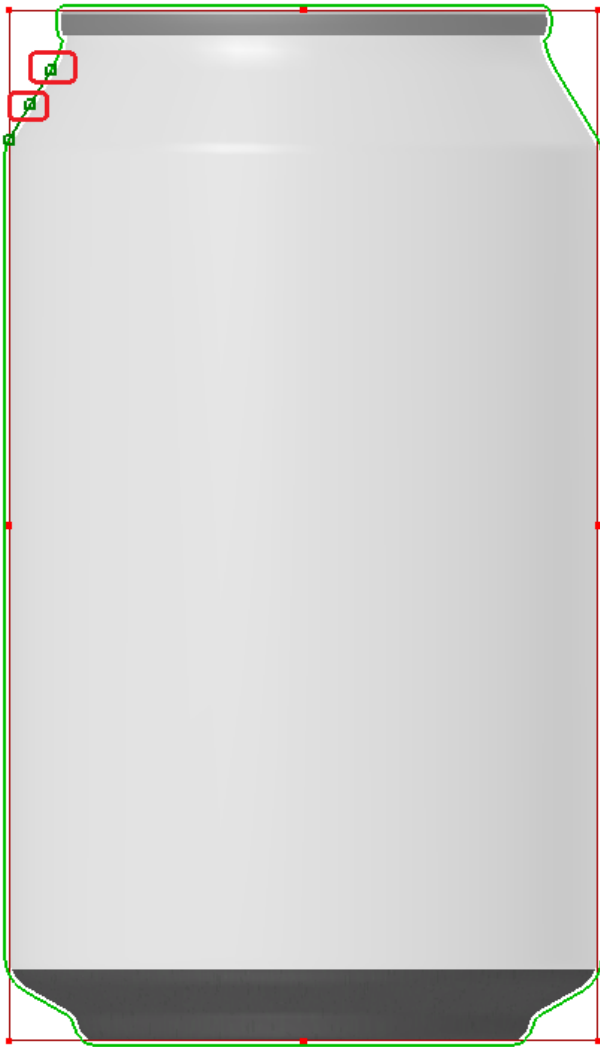
Please consult the ArtiosCAD documentation for examples of how to create animations for the automatic closure types as the process is precise.

The limitation of setting mates among *multiple* designs and animating the transition still exists.

- The **3D cross section** tool has been enhanced with an *Extend option*.



This option will follow the outline (green) of the 3D model. The outline will provide more snappable points that will allow the designer to create cross section pieces that can better conform to the shape of the model.

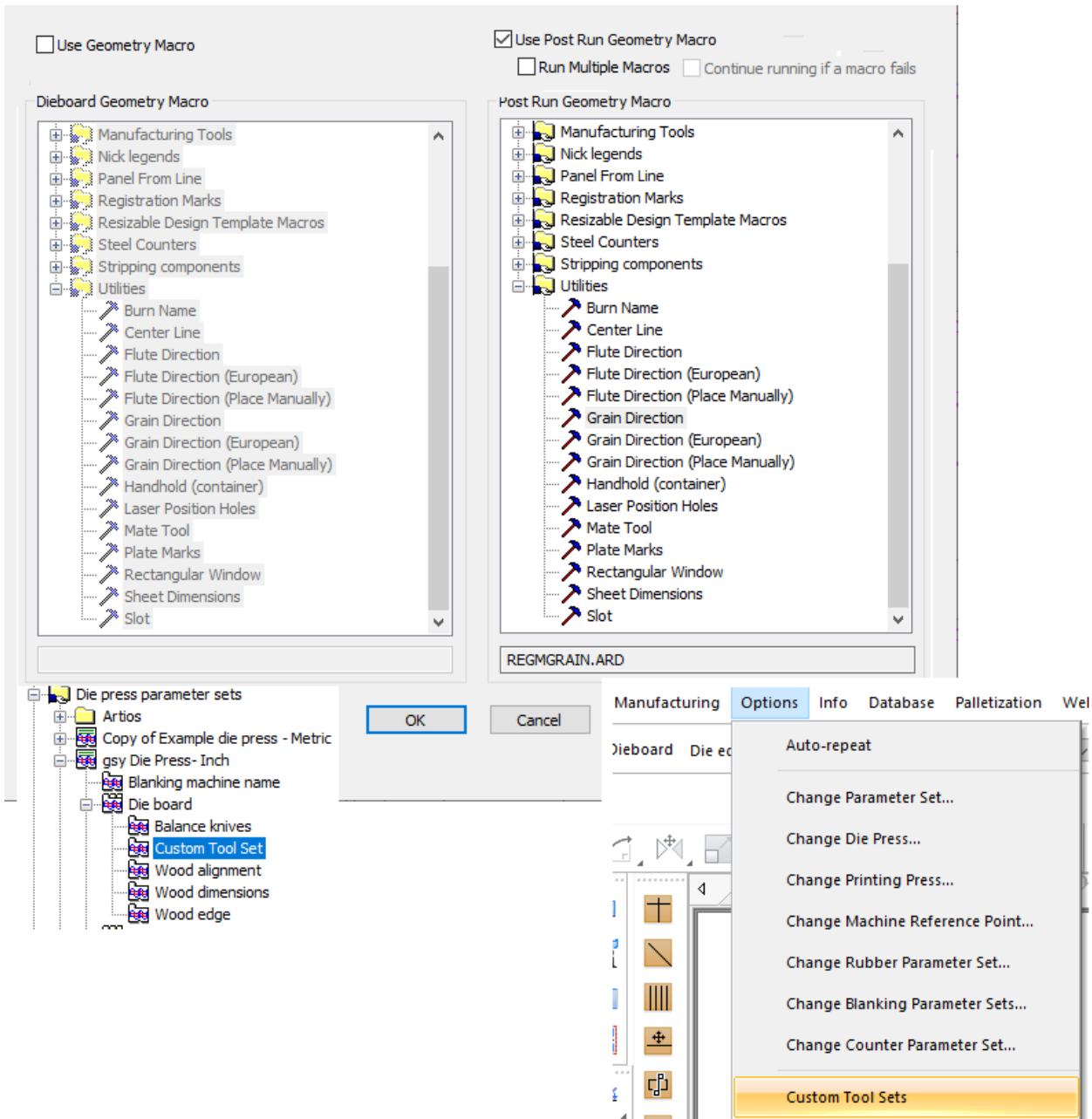


Please note this feature is provided as a BETA option. It is still a work-in-progress feature as ArtiosCAD RnD continues to better hone the algorithm for all types of shapes and account for various degrees of model quality.

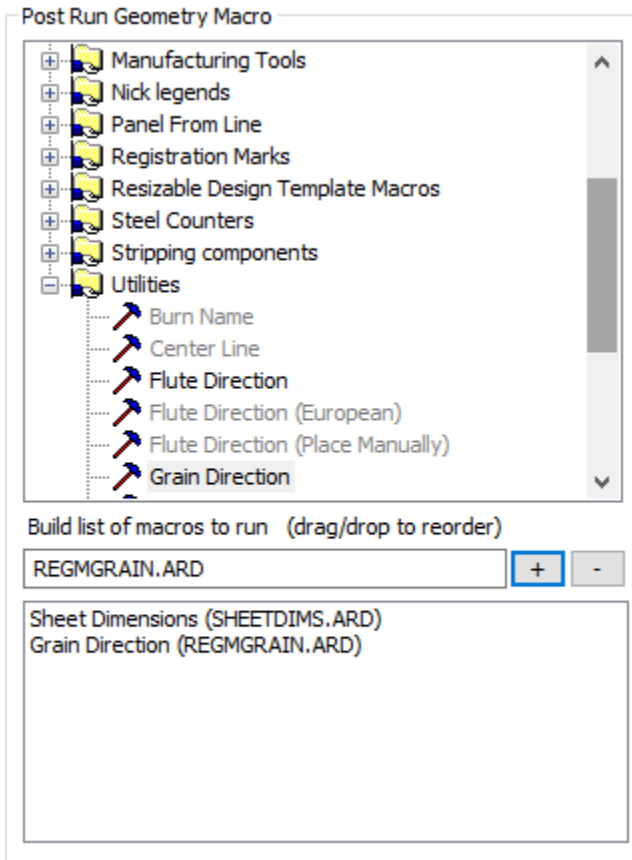
Layout Enhancements

Manufacturing Enhancements

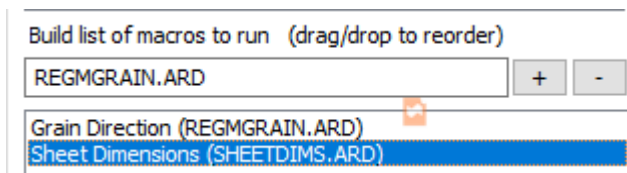
- The **Custom Tool Set** has been enhanced to allow multiple macros to run after a dieboard is added



If the user sets the Run Multiple Macros option, the user will be able to select macros from the tree of macro type: *Placement computer by geometry macro* and *In-place geometry macro*.



Select an eligible macro from the list. Use the   buttons to add or remove a macro from the list.

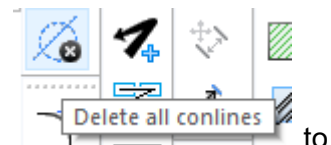


Use drag & drop  to set the running order.

Set *Continue running if a macro fails* to allow all macros in the sequence to run. Clear the option if the sequence is to stop if any macro fails.

General Enhancements

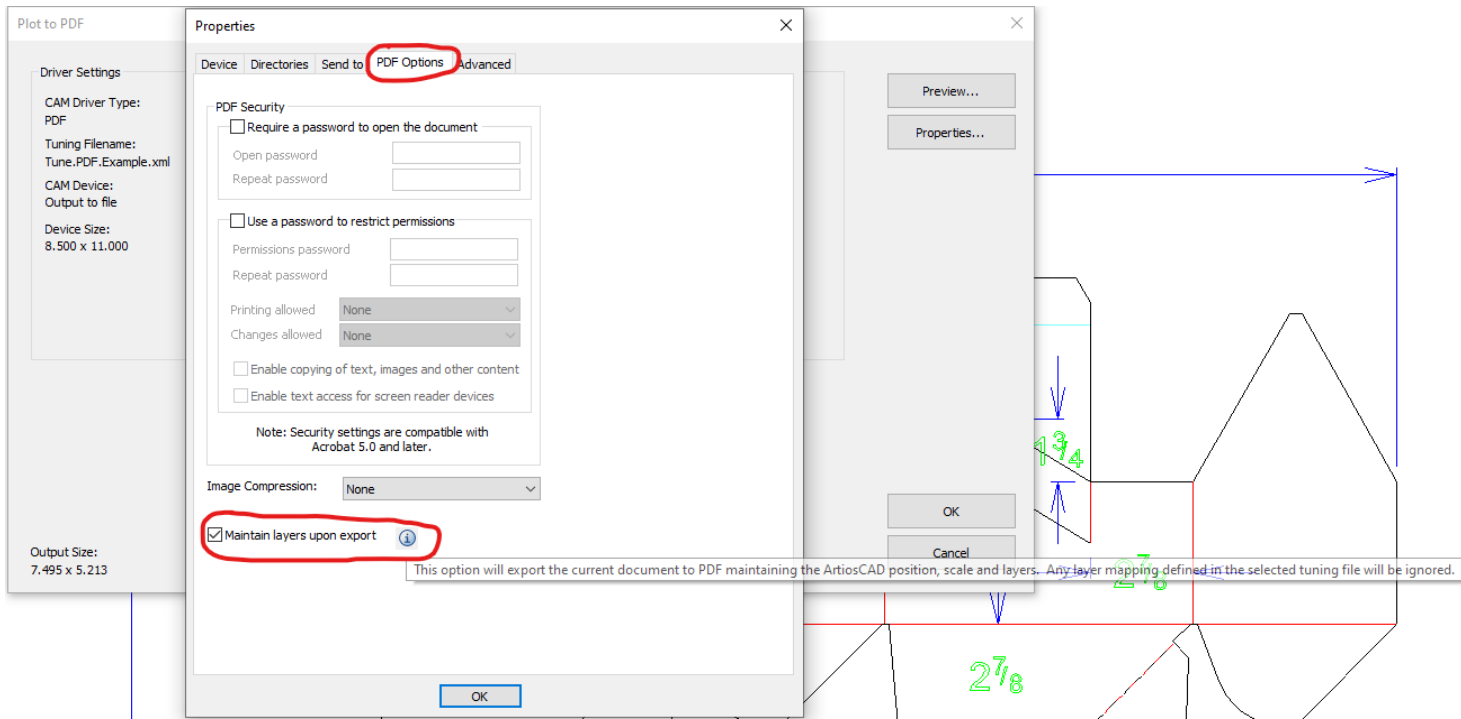
- A [new tool, Delete all conlines](#) has been added to the *Conlines* toolbar allow conlines to be deleted from ARDs, ACDs and MFGs.
- The [import tuning entry and special rule limitation of 200](#) each, has been removed.



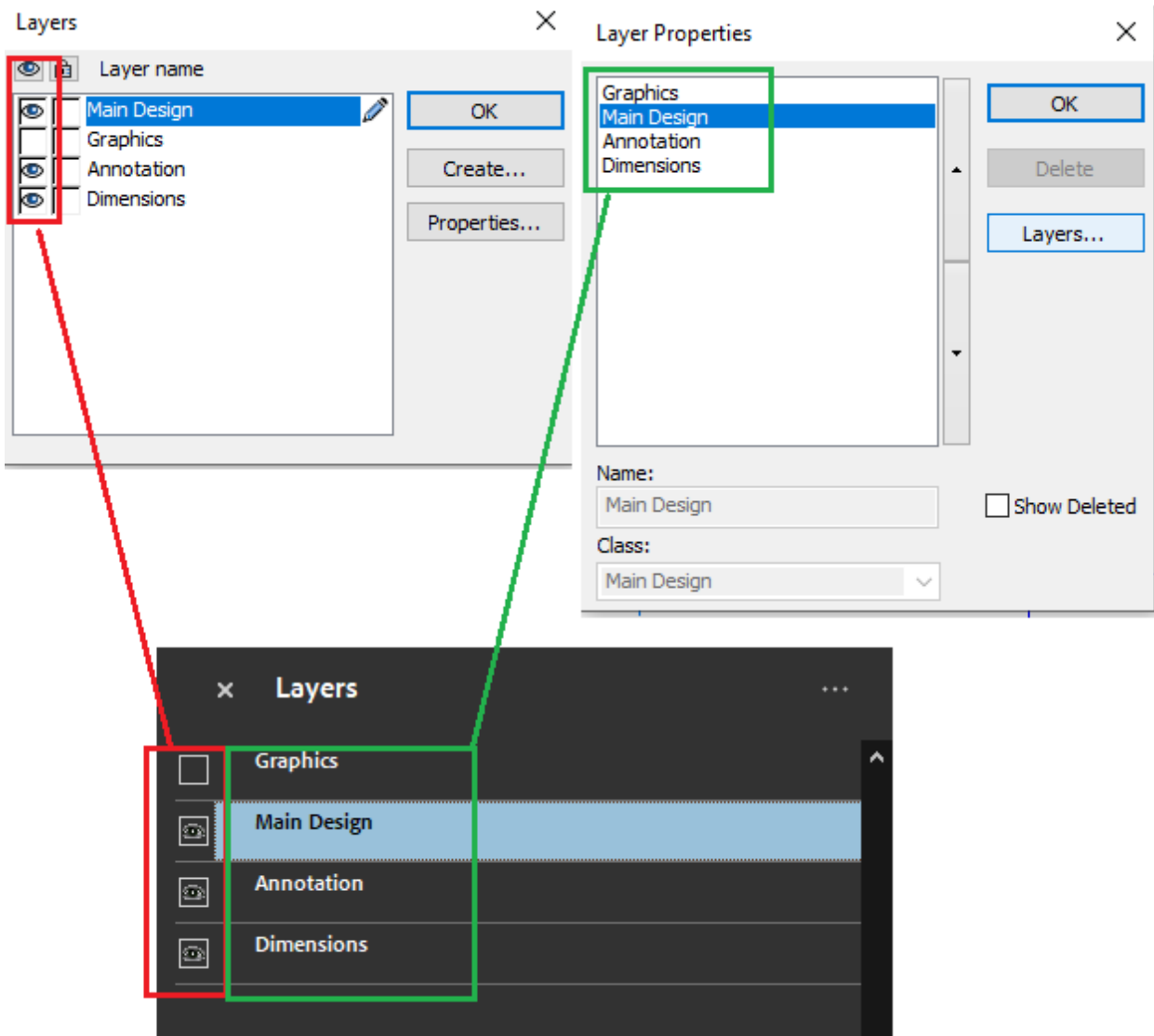
- **ArtiosCAD can export the visibility of linetype layers to PDF.** A new PDF tuning option **VISIBLE** can be specified in a PDF Tuning file to hide or expose the linetype layers. The default is **true**

```
<MAP ARTIOSCAD_LINE_TYPE="1">
<USE_TECHNICAL_INK/>
<PDF_LAYER NAME="Cuts" VISIBLE="false"/>
</MAP>
```

- **ArtiosCAD can export to PDF with ArtiosCAD layers intact.** A new PDF option has been added that will allow the ArtiosCAD layers to be available in the PDF. This PDF will be a raw technical file for use in graphics workflows and as such there will be no specialized ArtiosCAD TEMPOUTOUT processing available (reports, views, positioning etc).

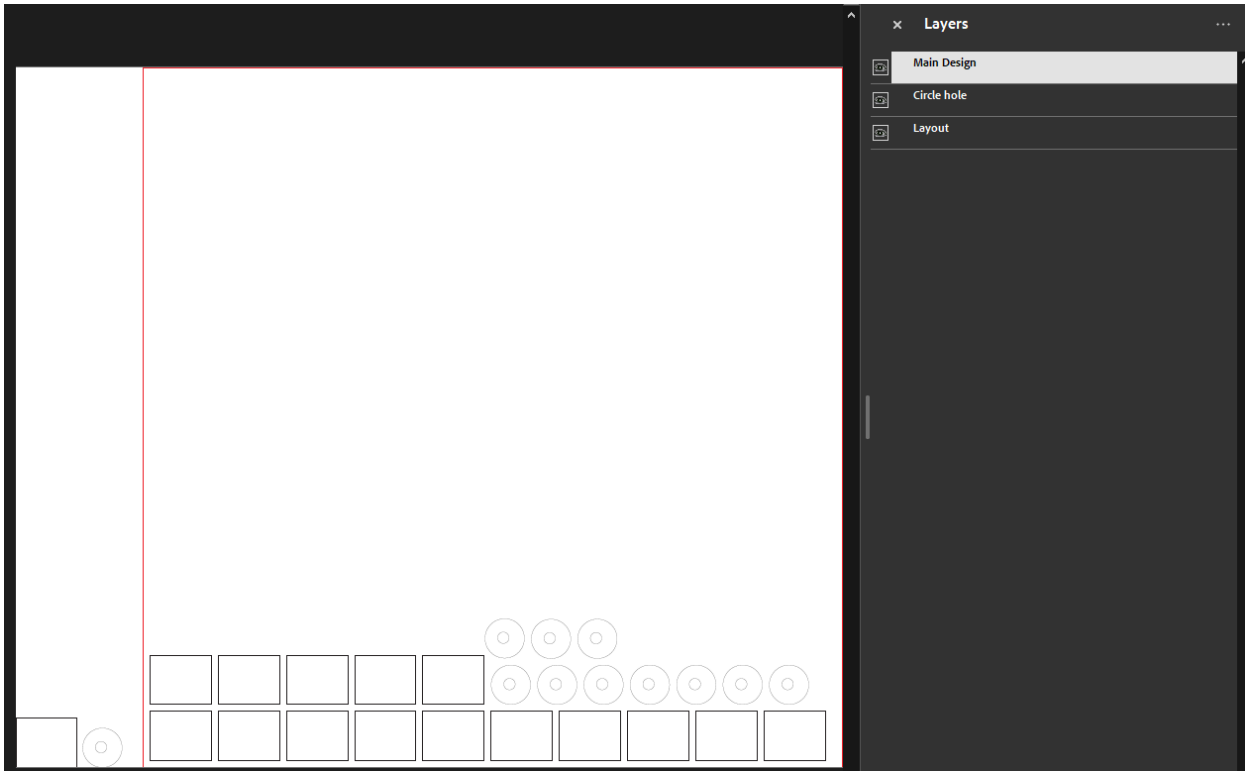


The visibility as well as the display order is preserved in the PDF.



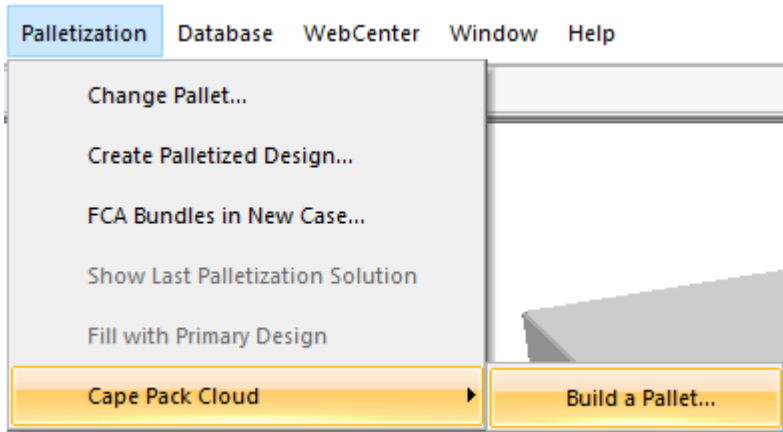
Any specific layering in the tuning file will be ignored.

If the file is a canvas (ACD) and this output is run as a canvas output, any layouts will be added as PDF Layers.



Infrastructure Enhancements

- [CAPE cloud pallet group reports](#) can now be run from ArtiosCAD Starting in 3D with a properly folded carton/shipper as always.



Setting the *Download solution for report* will allow CAPE to return to ArtiosCAD by which a palletization report can be run similar to the desktop integration.

ARTIOSCAD 24.11
RELEASE NOTES

Cape Pack Cloud - Palletization

Product Information

Product Name:

Product Code:

Project:

Project Description:

Customer:

Designer:

Shipper Style:

Shipper Board:

Package Information (in/lbs)

Outside Length: 10+1/64

Outside Width: 9+1/64

Outside Height: 8+1/64

Carton Weight:

Solid/Net Weight:

Gross Weight:

Download Solution For Report

ArtiosCAD will start a webview of CAPE cloud. The user can select a solution and push Finish & Export.

Cape Pack Cloud

Load Details

Solution Report

Click on **View Report** to Save your Current Analysis and Solution, and open the Report Builder page.
 Click on **Save Analysis/Solution** to save your analysis and continue to work on current or new solutions. You can save multiple solutions for any analysis.

Quick Report

Product Length 47.0800 20 Per Layer

Product Width 39.0640 7 Layers

Product Height 56.1121 140 DESIGN2/Load

Solution Number 1 S

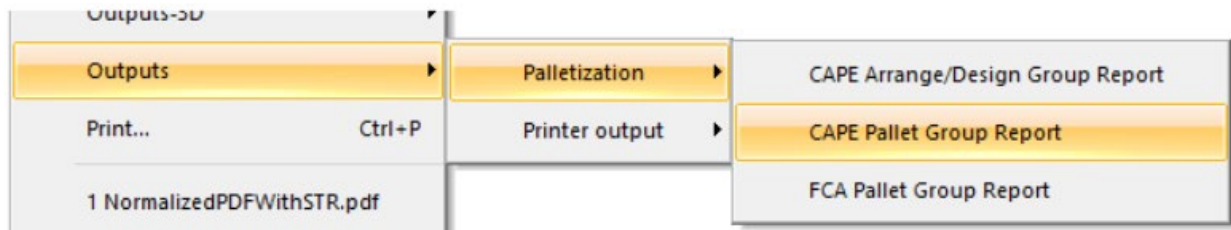
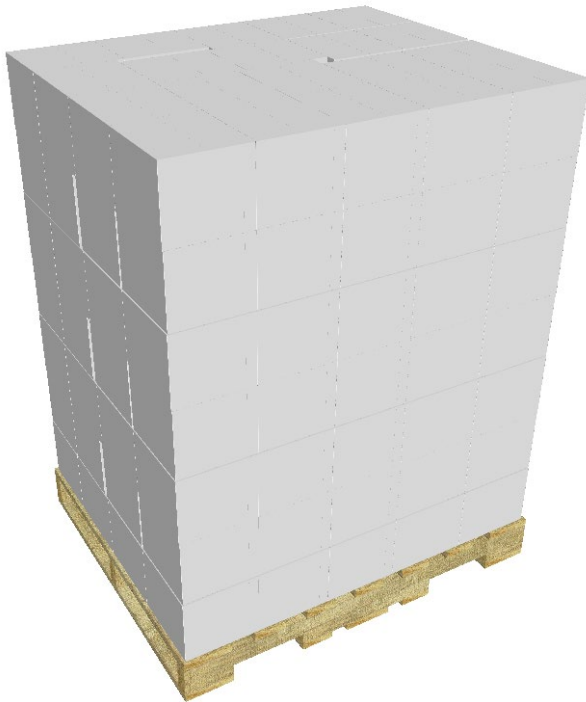
Area Used 94.1%

Cube Used 88.7%

Solution 1 of 40

Enable ability to create Case/Tray solutions with layers including multiple dimensions vertical to the pallet.

Solution ID	Pattern Type	SP Per Load	SP Per Layer	Number of Layers	Dimension Vertical	Area Efficiency	Product Length	Product Width	Product Height	Product Weight
1	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917
2	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917
3	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917
4	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917
5	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917
6	Spiral	140	20	7	Height	88.7	47.0800	39.0640	56.1121	37.0917



- ArtiosCAD media has been updated to include SQL Server 2022 CU14 to close reported vulnerabilities.

Integration Enhancements

Enterprise

- ArtiosCAD Enterprise client and WebCenter [interoperability](#):
ArtiosCAD 24.11 & WebCenter 24.11, 24.07, 24.03
ArtiosCAD 24.07 & WebCenter 24.11

Problem fixes:

	Customer reported fixes
ACAD-10831	Output to Zund plotter table generates for a curved crease a straight line for the routed counter
ACAD-10966	Export PDF/U3D have strange line
ACAD-11331	Create as dialog does not appear for ACD files
ACAD-11394	Automation engine v 23.03 – Cannot generate 3D files

ACAD-11395	Preflight in Artios 24.03 misbehaves after switching tabs and back
ACAD-11409	ArtiosCAD Enterprise 23.11 bld 2461 – We can not move folders in Board Browser
ACAD-11413	Bug causing Feature not available: Esko ArtiosCAD. The license manager is initializing of down.
ACAD-11445	ArtiosCAD Enterprise 23.11 – save new version of locked designs
ACAD-11546	ArtiosCAD manufacturing 24.07 – Balance knives have no bridges
ACAD-11547	ArtiosCAD Rubber 24.07 -Join rubber adds wrong line type on edge
ACAD-11615	ArtiosIO is not deployed with ArtiosCAD23 nor 24
ACAD-11629	ACAD output issues
	Important internal fixes
ACAD-9225	ArtiosCAD Advanced Stylemaker cannot browse for ARD file for Diagram
ACAD-9652	Change view angle in 3D using middle or right mouse buttons does not set modified flag
ACAD-11408	Fill color name too long
ACAD-11443	ArtiosCAD crashes if design boundary is all creases
ACAD-11467	JP-33501
ACAD-11451	Flap priority tool causes panels to disconnect from design
ACAD-11492	CAD-X can't generate ROMD data for certain files

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](#) can be downloaded from <https://mysoftware.esko.com> with a valid support account.

- [User documentation](#) 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](#) can be found at <https://www.esko.com/en/support/free-software>
- [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 [IOServer](#) (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.
- [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.