

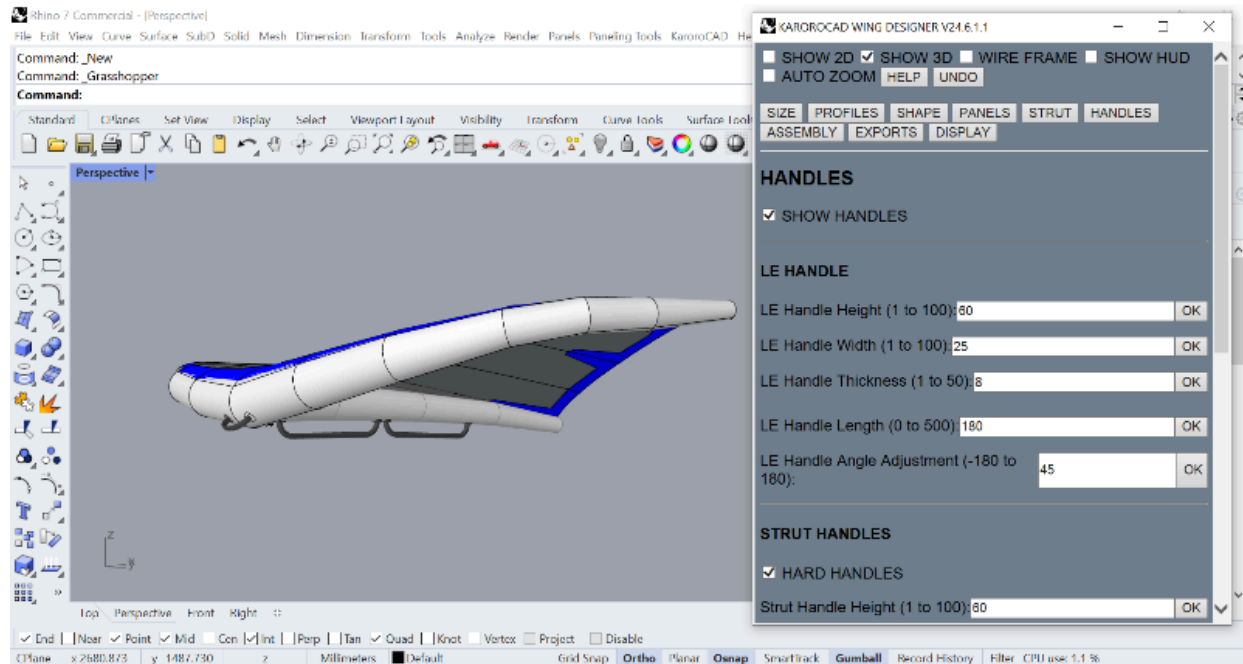
Date: 1 Jun 24

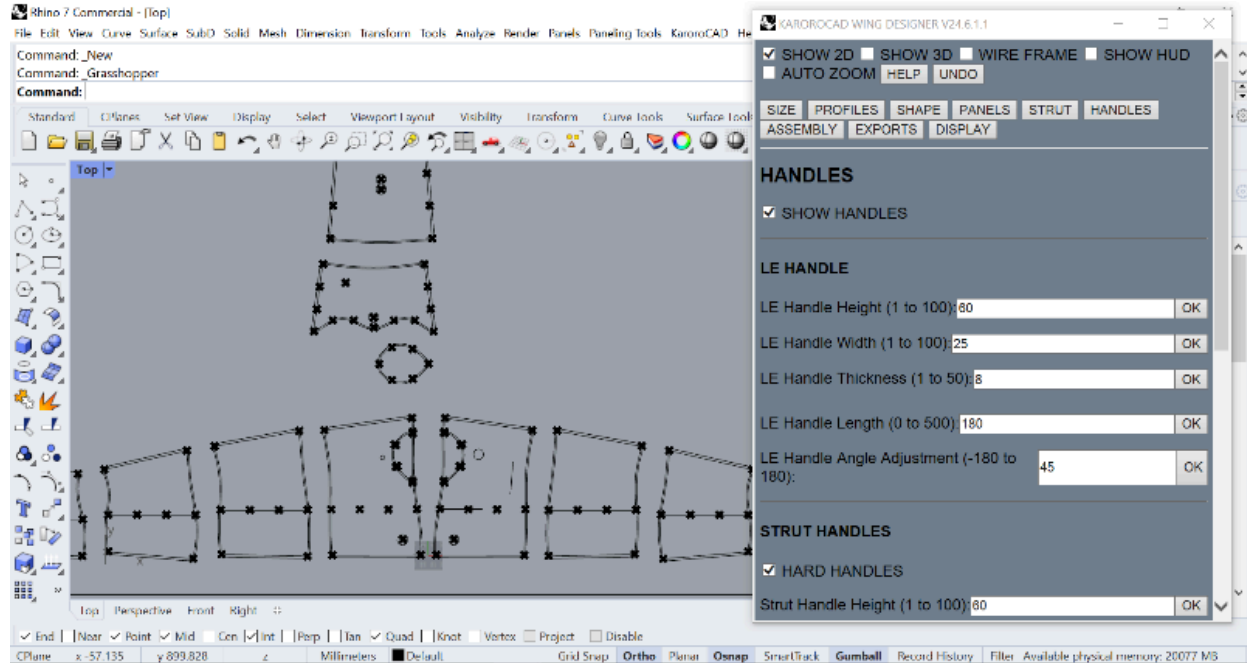
Hello KaroroCAD users,

Welcome to the June 2024 update from us here at KaroroCAD HQ.

WING - Major feature added - Handles position, reinforcement and preview

A brand new feature for this June 1st release is the ability to model handles for your Wing designs:





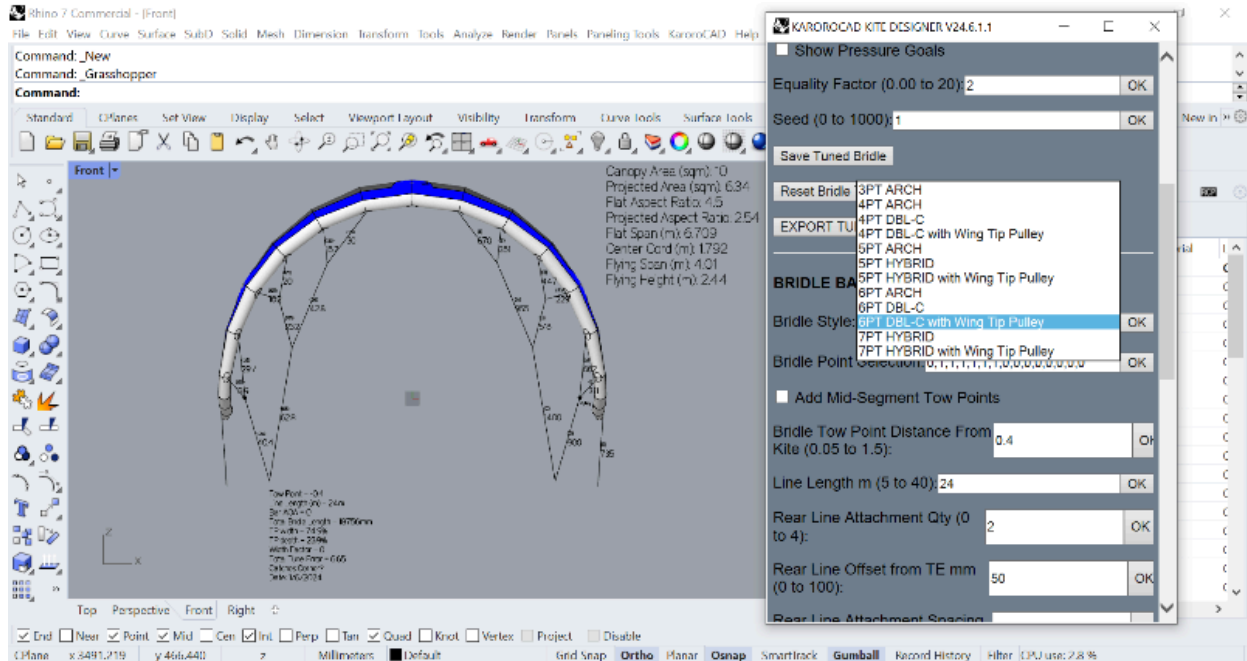
The handle positions and reinforcement are included in the 2D export.

You can find out more about the added controls in the KaroroWING **HELP** menu.

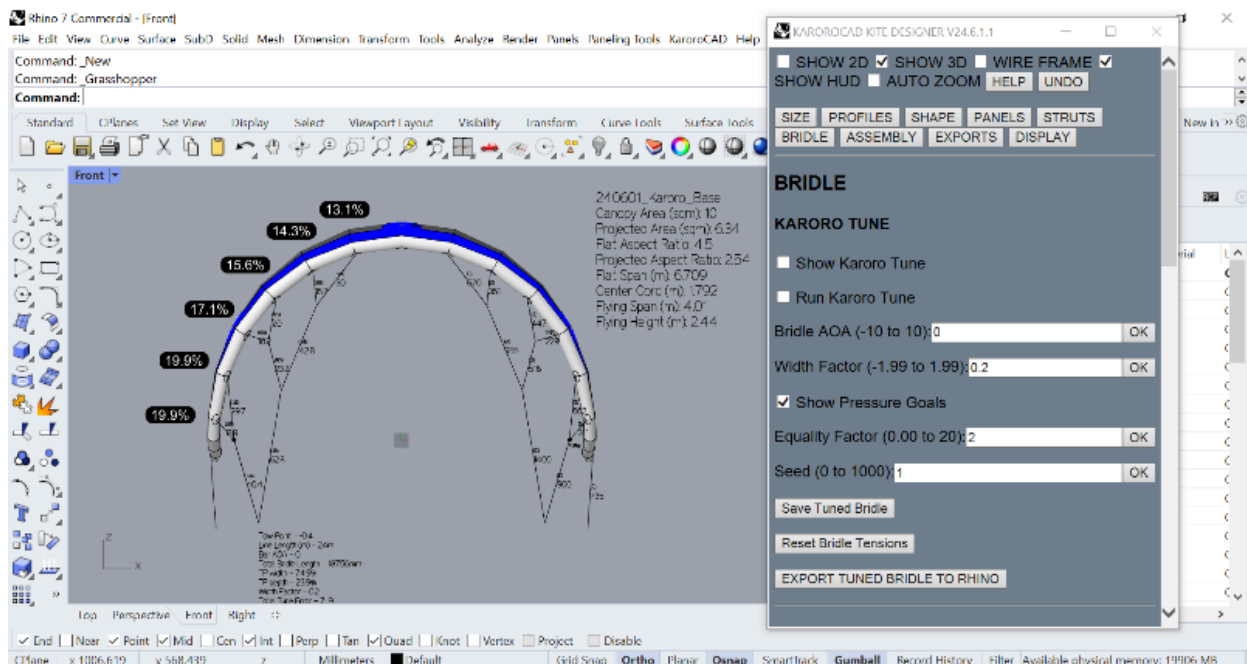
We are very happy to have this feature now built into WING, please let us know if there are enhancements or further handle options you would like to see.

Major Updates to KaroroTUNE (built in and standalone)

Firstly we have added a lot more bridle options, including those with wing tip pulleys:



We have added **Show Pressure Goals** option to give visual feedback on the tuning goals that **Width Factor** is passing to the tuning algorithm:



The figures in the black dots are the goal % distribution of the total load at the bridle attachment points.

In this case the lower most cascade is selected to have a pulley so is aimed to have the same 19.9% of the total load across the bridle these two attachment points, with a smooth fall off in load as you move up the kite.

The KaroroTUNE algorithm has had a major rebuild in the back ground, it now runs faster and consumes less of your computers memory.

We have also updated the error feedback to a weighted value, based on total number of attachment points in the bridle rather than total error - will allow for faster/better decisions on the quality of the tune seen.

For more information please check this new video on our YouTube channel:

https://youtu.be/ki1EC_dRYXk

Misc and Bug Fixes

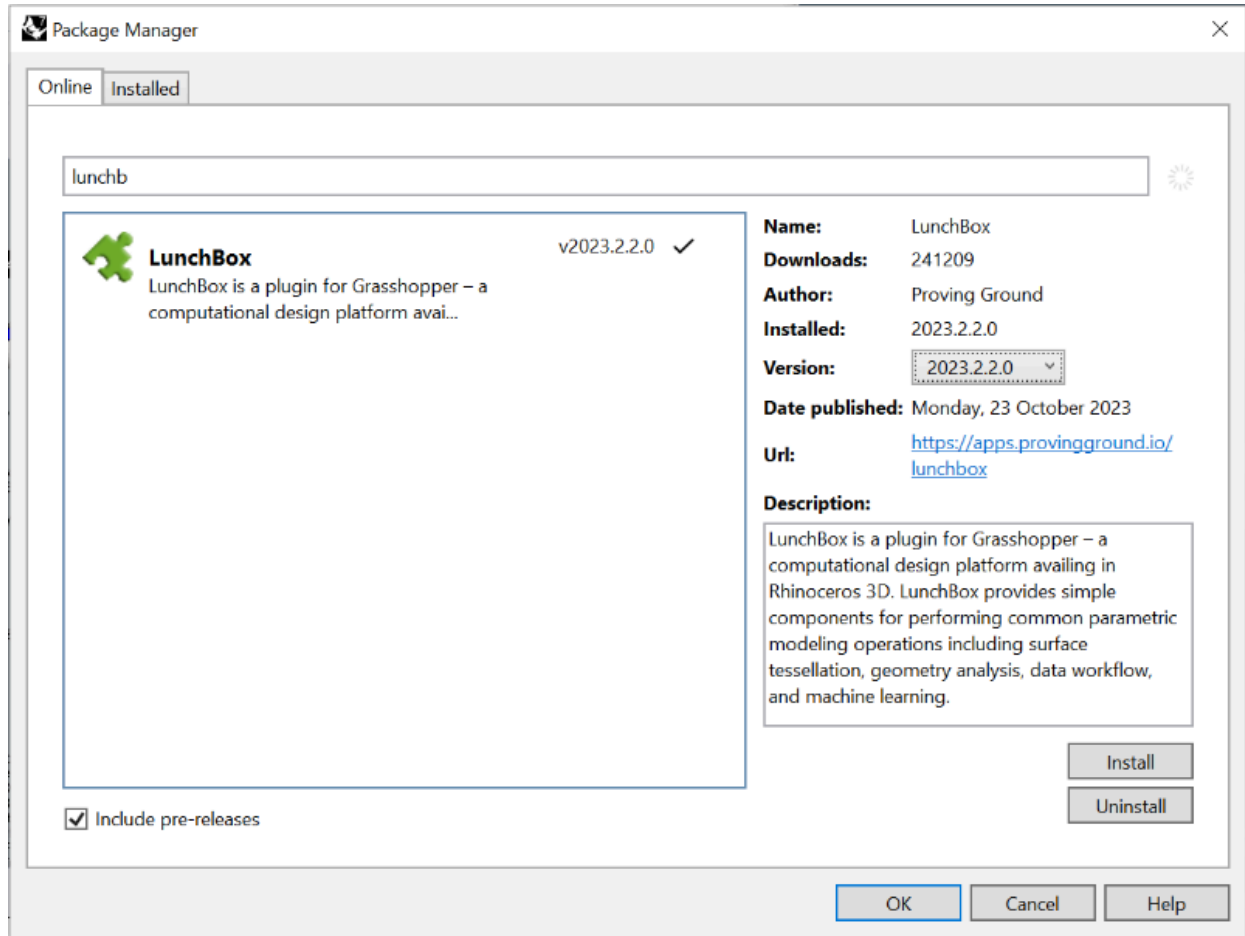
- fixed out of order error in canopy panels in reinforcement trimming code
- Added EXPORT TO RHINO for bridles in KaroroKITE (matches KaroroTUNE export)
- Added SEED to KaroroTUNE for initial random bridle search space (changing can help find difficult to tune bridle solutions)
- Fixed error in open local profile code if no local profile found
- Added requirement for all geometry to be selected before tune can be run

Install file

Rhino 7 and 8 for Windows, Rhino 8 for MacOS:

(please message if you need macchi file for Rhino 7 for MacOS)

For this update Rhino will need the Grasshopper plug-in "LunchBox" this should install automatically via the package manager, however if it does not, you can use the package manager manually to install:



Thank again for all your feedback and support - more updates next month.

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Best Regards,

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Product & Software Engineer

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