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*StageLift* Vectorworks® Plug-In that enables you to insert Hybrid (2D and 3D) models of crank-style stage lifts. Using the Vectorworks® Object Info Palette, fork height, width, and position can be changed. Different part colors can be chosen. Select text can be displayed.

***StageLift* requires Vectorworks® and Renderworks® 2020 or newer.**

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7. You understand and agree that the calculations and any suggested weights provided by these tools are intended as estimates only and that Landru Design makes absolutely no representations, guarantees, or warranties regarding their accuracy. You acknowledge that you are STRONGLY advised to perform your own calculations and to confirm all weights. You agree to assume all liability arising from using these tools and agree to hold harmless and indemnify Landru Design in the event that miscalculations and/or inaccurate data cause or allow loss or damage of any kind.

#### **Installation:**

If the tools were installed through the Vectorworks 2021® (or newer) Partner Products system, this section does not apply.

Using the Vectorworks® Plug-in Manager Installer:

1. With Vectorworks® running, open the Plug-in Manager through your Vectorworks® menu ([Tools][Plug-ins][Plug-in Manager...]).
2. Select the "Third-party Plug-ins" tab.
3. Click the "Install..." button.

4. In the dialog that opens, find the Zip file that you downloaded from our server. Select that file and click the “Open” button. Contents of the Zip file will be copied into the appropriate folders in your User Folder structure:
  - Manual → “...Plug-ins\Landru Manuals”
  - *LandruStrings.vwr* → “...Plug-ins”
  - Tools (*StageLift.vso*) and Commands (\*.vsm files) → “...Plug-ins\Landru Tools”
  - *Texture\_Destroyer\_20\*\*.vwx* → “...Plug-ins\Landru Utilities” (*This file contains a script for users who are needing to open files created in Vectorworks® versions older than 2014 and are having issues with Textures created by our tools not being generated correctly. If this applies to you, open the file and follow the instructions. If not, simply ignore this folder and file.*)

The installer will also move pre-existing copies of any Landru Design Tools and Commands to the “...Plug-ins\Landru Tools” folder.
5. In the dialog that opens, click the “Restart” button.
6. After re-opening Vectorworks®, add the newly-installed tools and commands to your Workspace. See below if you’re not sure how to do that.

Manually installing the Tools and Commands:

UnZip the Zip file you downloaded, **keeping the folder structure it contains intact**. You will end up with three folders, the contents of which will need to be copied as-directed, **without Vectorworks® running**:

<p><b>“Landru Manuals”</b></p> <p>This folder contains PDF manuals for the tools included in the package you downloaded. Copy this folder to wherever you’d like on your hard-drive.</p>	<p><b>“Landru Utilities”</b></p> <p>This folder contains a file called "Texture_Destroyer_20**.vwx." This file contains a script for users who are needing to open files created in Vectorworks® versions older than 2014 (including Template files) and are having issues with Textures created by our tools not being generated correctly. If this applies to you, copy this folder to wherever you’d like on your hard-drive, open the file, and follow the instructions. If not, simply ignore or delete this folder and file.</p>
<p><b>“Plug-Ins”</b></p> <p>This folder and its sub-folder contain five files: the actual Plug-In file, three Command files, and a resource file.</p> <p>As the folder name hints, copy the contents of the downloaded “Plug-ins” folder into your Vectorworks® 2024 (or, 2023, 2022, 2021, or 2020) “Plug-ins” folder. The “Plug-ins” folder is found either in your main application folder or in your User folder.</p> <p>If you have older versions of the supplied files installed, you’ll need to delete the old files or move them to another folder before adding the new files.</p> <p>If you wish, <i>StageLift.vso</i>, <i>Check or Add Landru Keys....vsm</i>, and <i>Remove Landru Keys.vsm</i> can be placed in a sub-folder of the Plug-ins folder other than “Landru Tools” but <b><i>LandruStrings.vwr</i> MUST be placed in the “Plug-Ins” folder.</b></p>	

After copying the folders and files and re-opening Vectorworks®, add the newly-installed tool and commands to your Workspace. See below if you’re not sure how to do that.

Adding the Tools and Commands to your Workspace:

1. Click...[Tools]...[Workspaces]...[Workspace Editor]. Make sure "Edit current workspace" is selected and click "OK."
2. In the resulting dialog, click the "Tools" tab.
3. Scroll down the "Tool" section (*the left side*) until you see the "Landru" section. Click the "+."
4. Drag the *StageLift* icon to an existing Tool Set in the "Palette" section (*the right side*). If desired, drag "New Tool Set" into the "Palette" section to create a new Tool Set.

Optional...

5. Click the "Menus" tab.
6. Scroll down the "Commands" section (*the left side*) until you see the "Landru" section. Click the "+."
7. Drag *Check or Add Landru Keys...* and *Remove Landru Keys.vsm* into the desired positions in the "Menus" section (*the right side*).
8. Click "OK."

### Using *StageLift*:

Choose the *StageLift* icon from the tool palette into which you added it earlier. A ghost image of a lift will appear. Click in your drawing to place the lift. Rotate the lift to the desired angle (like placing Vectorworks® symbols).

The *Check and Add License Keys* dialog may appear the first time you use this tool. If so, paste/enter the key provided by Landru Design, click the "Add" button, and then the "OK" button. If the key entered is correct, you should not see this dialog again. If you don't have a key, visit [the Landru Design Web site](#) for information about purchasing a license. (*The Check or Add Landru Keys... command that you may have added to your Workspace will allow you to check which Landru Design license keys are installed and to add additional keys as-needed.*)

If you chose to install any of the three optional Commands:

- 1) *Check or Add Landru Keys...* will allow you to check which Landru Design license keys are installed and to add additional keys as-needed. *Remove Landru Keys* will allow you remove Landru Design license keys.
- 2) *Resource Folder Names...* will allow you to specify Resource Manager folder names used to store Resources created on-the-fly or imported by the tools.

With the newly-placed lift object selected, use the Object Info palette to make adjustments.