

## **LinkMotion and EngraveLab version 7.1:**

After you install LinkMotion software and setup all settings launch EngraveLab software.

### **Important notes:**

**Zero or thinnest line width and No fill are the most important things to remember when you are designing a file for Vector output. Do not fill the shape for any vector output.**

**Raster will have the fills and it is used mostly for the laser output.**

**Solustan tests the primary function of accepting hair lines (vector lines) from the third party application software to make the vector moves on the machine using LinkMotion driver. Solustan may test additional functions. However, it is not a detailed testing. The developer and marketer of the third party software make changes to their applications quite often. It is the responsibility of the user to make sure that the necessary functions are available while making the choice of off-the-shelf application software.**

**Solustan's liability is limited to the purchase price of the LinkMotion driver software.**

It is necessary for the user to own the application that will be used for the job design. There are many books of various levels available for all these popular applications. This document is simply a guideline to point the user in the right direction. We welcome feedback from our users. Share your findings with us and we will include them here for all users benefit.

**Engravelab version 7.1 and later is the only version that will work properly with Linkmotion.**

**Using Engravelab version 8.0 has a check box in Print dialog box under Preferences that reads Send all as hairlines. Always keep this checked for proper output when using LinkMotion. User does not need to worry about selection of No Fill and Hairline thickness of the shape for proper output.**

### **(1) How to design a plate in Engravelab when Linkmotion driver software is used?**

**If your plate size and your machine's table size are the same then you need to do following:**

Launch EngraveLab application.

Plate Size screen should open.

Select proper orientation, which should match your machine's Table Size.

Select Custom under Current Section.

Now plug the dimensions for width and height. This should be the same as your table size.

Click on the OK button.

Now you can start your design and make sure to have no filled objects. Your object can use hairline or no stroke thickness with specific colors. This is applicable for both graphic shapes as well as any text you have in your design.

Refer to their help line or the manual in learning to use their design features.

**If your plate size is smaller than your machine's table size, you need to do following:**

First launch LinkMotion and go to the Machine Properties.

In Maximum Travel for X and Y change the number to match your Plate size that you plan to use for engraving the job.

Click on the apply button and then OK button.

Now launch your EngraveLab application and design your job with the same size plate.

**Any time you change the dimensions in the Maximum travel of Machine properties of LinkMotion it is extremely important to Re-Launch your design application for it to take that change into effect.**

Now it should engrave in the correct location.

**(2) How can I setup shapes for my design plate reference but not send for the output?**

Users of Engravelab version 7.1 need to learn this but Engravelab version 8.0 users do not need to worry about this.

Example:

**Design a rectangle** of your plate size within your page(Table size). **Select Red color as Fill** shape for this plate design. Now place some text inside that plate design with different color. Now select that red rectangle shape (your plate size). **Press the Ctrl key on your keyboard while bringing the arrow of your mouse at the bottom of the page on red color button and click there.** You should see the red rectangle shape without the fill with dotted red lines. Now this should not go for the output. User should select all the text and select **Print** from the **File menu**. Under print dialog box make sure to select **Selected objects only** in **Preference menu**. Now click **OK** and the select **Print** from the last print preview section.

User can bring the fill color back by same procedure of using the Ctrl key and clicking with the mouse on the same color again.

**(3) How to create fill patterns for objects in Engravelab?**

**Select your object.**

Go to the **Engrave menu** and select **Create Tool Path** and **Fill**.

You should see the fill dialog box.

Make selection for the **Tool** with proper size diameter tool you are using.

User does not need to worry about depth when using LinkMotion. Keep it 0.00.

Color selections are for viewing only.

**Fill Style** is the important one to select. Make proper selection here with the shape of the object in mind.

User should always refer to Engrvelab's manual for more detail understanding of each sections.  
Click **OK** and you should see the fill pattern on the screen. This is how your engraving output should be.  
Click **Print** from the **File menu**.  
Make sure all the settings are proper in **Print dialog box** and then click on **OK**.  
User should see the proper output.

#### **(4) How to do multiple plates with Engravelab?**

Go to the **File menu** and click on **New**.  
When prompted for the size **declare the plate size**.  
Click on the **Text tool** and create an example text.  
Select this example text with the arrow tool.  
Go to the **Layout menu** and select **Badges**.  
Declare the **material size or table size** in plate area. User should declare the material size if it is smaller than the plate size.  
Make Selection for Number of copies, Scoring, Margins, Spacing, Vertical or Horizontal Columns.  
On the right side make selection for the fix and variable text and **click OK**. Refer to the manual for EngraveLab software for more details.  
Now follow the print commands for proper output.

#### **(5) How to output job in different locations?**

When using EngraveLab it is best to use available positions from their Print Preview locations.  
Select top left for both Home Position as well as Start Position in **LinkMotion's Origin Setup**.  
Design your plate in EngraveLab.  
Now select **Print** from the **File menu**.  
Make sure your **Print Preview selection is checked**.  
In the Preview mode on the top left you can make selection for the position where you want job to be engraved.  
There are nine choices: **Top Left, Top Center, Top Right, Center Left, Center, Center Right, Bottom Left, Bottom Center, Bottom Right**.  
After making the selection from above position when you click on Print button it should engrave in proper location.

#### **(6) How to bring the color palette that matches LinkMotion supported colors?**

Launch EngraveLab Pro 8.0.  
Click on the **Context Menu** button from the bottom of the page (Fifth button from the left).  
Select **Load and Merge**.  
You should see a **Color Palette dialog box**.  
Make sure to see in **Look in area C:/EngraveLab Pro 8.0** is selected.  
Click on the folder name **Palettes**.  
Click on the folder name **Engrave**.

Select the file name **Linkmotion.pal** and **click on the Open** button.  
Now you should see the **matching color palette** at the bottom.