

## **LinkMotion and DesignCAD 3D Max 19:**

After you install LinkMotion software and setup all settings launch DesignCAD 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.**

### **(1) How to set Print Command in DesignCAD properly for LinkMotion?**

#### **1. Select Print Setup from the File menu and setup following in the Print setup dialog box.**

**Printer** – Make sure that **your machine name** that you have installed LinkMotion for is selected.

**Units** – Select same as what you have selected in LinkMotion.

**Area** – Uncheck Fit to Paper. Uncheck Center Drawing. Select Scale to be 1:1 by using scrolling arrow.

**Panel** – Mark none should e selected.

**Paper** – Orientation selection will be dependent on your table size declared in LinkMotion's Machine setup area. If X is larger then Y table size then normally you will select Landscape mode. Similarly if X is smaller then Y table size then you will select Landscape mode. Make Margins 0, 0 for all positions as seen on the screen for Top, Bottom, Left and Right.

**Type** – Pen width 0.00mm selected and select **wire frame** here.

#### **2. Select Print from the File menu and setup following in the Print dialog box.**

**Under Text tool (Text dialog box) select True Type Font and check box for Save in Vector Form.**

**Check Save Current Print Settings with Drawing.**

This setup proper for all vector jobs using rotary engraving machines.

## **(2) How to setup design in DesignCAD properly for LinkMotion?**

Depending on the tool's parking position on your machine you will setup proper Start position in LinkMotion's Origin setup area. Most rotary engraving machines have Top Left to be the start position and in that case you will start your design also on top left of the page in DesignCAD application. CNC machines use Bottom left start position so you can design from the bottom left. Some time it is necessary to start the actual cutting or engraving work with few inches of offsets and you can learn to use these offsets that you can declare in LinkMotion or your design application. **Please read, understand, experiment and then do the final production.**