

## Using L-Edit for Pattern Rendering and Edit Functionality for Exposure Device

### Company

**Nano System Solutions, Inc.**  
**Founded in Dec. 2004**

The company is an R&D-style venture that is challenging product development by combining nanotechnology and biotechnology while putting telecentric optical technology at the core.

### Product



*Mask-less exposure device DL-1000 / DL-1400--  
DL-1000 / DL-1400 is a compact exposure device for R&D which doesn't need masks and which improves the efficiency of R&D dramatically. They can also be used in various ways such as: alternate device to mask aligner, complementary device to electric beam drawing device. etc.*

### Comment



**“We could draw millions of array layouts for fine patterns quickly and easily. The display is high speed, and we can demonstrate exposure device without any stress.”**

**-- Takashi Matsuoka, Engineer, Technology Dept. Processing Device Group**

### **Interest in L-Edit's operability and drawing speed**

“The CAD, that we had used before, became slow to respond when handling slightly larger files. However, L-Edit made it possible for us to draw and display millions of fine patterns smoothly. We would say that its usability is like a different dimension. L-Edit can create data in a 100 X 100 array or a 1000 x 1000 array instantly. And its small size makes the rest of process efficient, which helps us a lot.”

### **Affordable price**

“Surprisingly, despite its extensive functionality, L-Edit was the cheapest solution we found, less than a third among CAD solutions that supported GDSII. We value Tanner EDA's policy that they provide solutions as affordable as they can. “

### **Wealth of edit functionality**

“Drawing objects are not only by mouse click. Inputting parametric cells or text files are essential functions for efficient drawing. When we lay out objects in random order, if we output coordinates that are generated in an outside program, we can lay out objects easily with L-Edit. All we have to do is implement our own T-Cell program; we can reduce the time compared to direct drawing to multiple layers. When we increase the number of layers, it is very convenient. Also by changing parameters, we can create various graphics. To our delight, the tools allows us to add parameters to the T-Cell program easily.”