# LEF-12 Usage Note

The VersaUV LEF-12 is a popular device for the promotional and personalization market, but it also has uses within the industrial market for both prototyping and production. Whether your customers are using the LEF-12 for production or one-offs, you should be aware of this machine's features designed to help users increase production and reduce waste.

Setting for automatic table height adjustment while printing... *During the material set-up, the LEF-12 will detect an object's height and set the table height automatically for optimal print quality. The sensor will continue monitoring the height of the substrate during printing, stopping the printing immediately if the substrate is somehow lifted up (which can result in head strikes). If you are doing production work and printing on a large batch of objects, you may find that variances in object height, or the raised texture of the embossing feature on the LEF-12, can trigger the sensor and cause printing to stop. This can result in wasted materials and a reduction in productivity. Fortunately, there's an option that will prevent this kind of scenario from occurring: press the **MENU** button on the LEF-12 panel and navigate to **SUB MENU** > **CLEARANCE MODE**. Select the option **"RE-ADJ."** and press **ENTER**. When **"RE-ADJ."** is selected, the LEF-12 will automatically re-adjust the table height to ensure a safe distance, allowing for uninterrupted printing.*
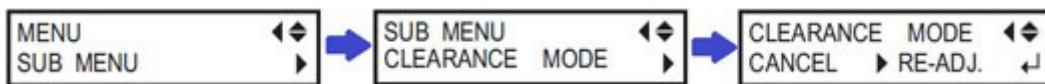
Setting the print area for your objects... *The LEF-12 offers two options for setting the print area: **"two corners"** (bounding box) or **"center position."** In "two corners" mode, the lower right and upper left corners of the print area are defined by the user, with the laser pointer serving as a guide. This method is typically used for flat, rectangular objects and is very intuitive and straightforward. The second option is "center position," where the user selects the center of the print area and then enters the area's width and height from the printer panel. This method is ideal for round or oddly-shaped objects. Either of these methods will allow users to quickly retrieve the print area in VersaWorks by clicking **"Get Media Width"** in the **Layout** tab of **Queue** or **Job Settings** and positioning the image precisely on the screen.*
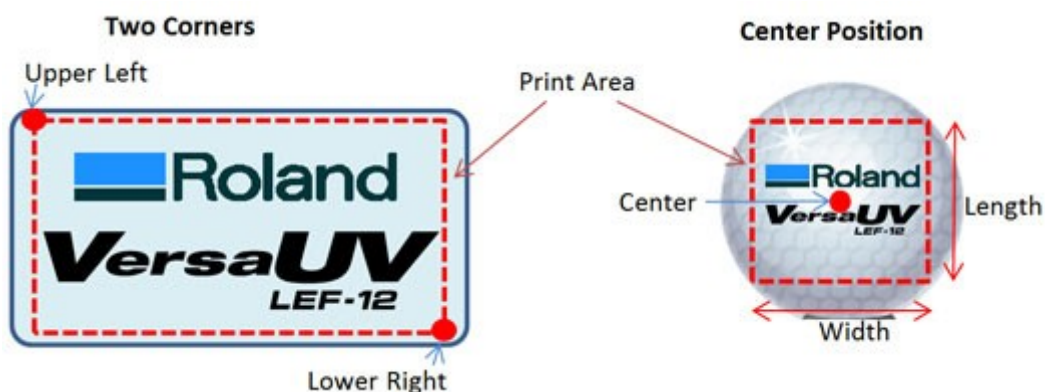
Increase the productivity with custom fixtures... *If you really want to maximize productivity, there's no better way than creating custom fixtures to hold multiple objects on the table. Such fixtures help prevent common mistakes by dramatically reducing the time required to load multiple print objects on the table. Having multiple fixtures also allows the operator to load the next batch of objects while the LEF is printing and immediately load the next batch when printing is completed, further increasing productivity. The LEF user manual (**Flat Table Dimensions** section) includes the exact dimensions and positions of holes and grooves on the table that can be incorporated into the design of the fixture for quick, error-free positioning on the table, allowing for maximum productivity and repeatability. A simple fixture can be created quickly and easily with engravers like the Roland EGX-400/600. For more complex objects with intricate shapes and surfaces, a 3D milling device, such as Roland's MDX-40A, can be used.*