

Abstract

This research is the application of technology CNC (Computer Numerical Control) in industrial for microelectronics in the patterned devices by using laser diodes. It was used in the photolithography process that simplifies the process down by using laser direct writing on a material. It helps to improve the design and corrected pattern in short time. The experiments are able to create patterns in the level of 100 microns, which can be used for microelectronic devices that are not so small, does not require high-resolution devices such as some kind of sensors and can be adjusted to suit the specific material.