

## Lightgate Update -



2. Laser etched pixel and vector imaging etch





### 3. Laser etched lenses

Lightgate Control now has the ability to write diffractive lenses, either small or large, directly into the photoresist surface. Such lenses are commonly called Fresnel zone plates, after their inventor Augustin-Jean Fresnel.

A zone plate consists of a set of radially

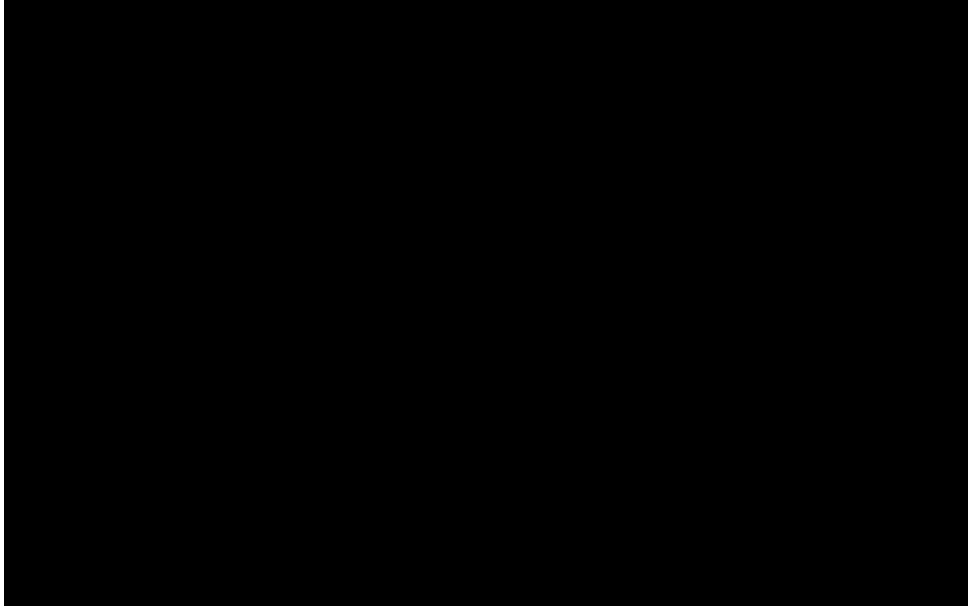
The Laser etched image parameters dialog box

In order to expose a Laser epixel or vector image a bitmap image is first sete in tee



Maximum lens diameter





The minimum and maximum height deviations and the height deviation range in microns are also displayed. By examining the information any height anomalies, such as those that may be caused by dust or scratches, variations in substrate thickness or photoresist coating defects etc., can be detected and dealt with. Assuming that the plate map