



Mutech offers projects, systems and equipment for the promotion of science, technology and education in the areas of microfabrication, micro and nano mechanics and electronics. The company is interested in promoting, through the development and commercialization of high-tech equipment, the training of quality human resources, to simplify the generation of new knowledge and to improve the access of the productive sector to new technology.

$\mu$ Laser is a high value direct laser lithography writer, oriented to universities and research facilities looking to expand their capabilities. It writes on a photosensitive resist coated surface with a 405nm laser at submicron pixel resolution on big areas.  $\mu$ Aligner is a compact high value UV mask aligner designed for microfabrication applications. It allows for easy fabrication of multilayer devices on a multitude of photoresists, with excellent exposure quality.  $\mu$ Coater is a very easy to use and full of features benchtop spin coater, it includes an integrated vacuum system with a rotating vacuum chuck for holding the substrates to coat while spinning.  $\mu$ microexposer is a High Value UV exposing system designed for microfabrication applications. It allows the user to perform fast lithography processes on samples and substrates.

### Key features:

- 100x92 mm<sup>2</sup> writing area
- Options for writing on SU8/Epoxy photoresists
- Tilted/warped substrate compensation via 3-point focus or 4-point bilinear measurement
- Multiple designs from different files can be written in one process
- High resolution lithography
- Competitive price
- Compact design
- Long life cold LED source with no warmup
- Very low divergence and high homogeneity

### Most common applications:

- Microfluidics
- Optics and biotechnology
- Microelectronic
- Rigid of flexible substrates
- From lab fabrication to low volume commercial production

BIG AREAS

Industries | Materials Science

Sample Synthesis

