The PICOSUN™ P-300B ALD system is specially designed for production of MEMS devices such as print heads, sensors, and microphones, and coating of 3D objects such as lenses, optics, mechanical parts, jewelry, coins, and medical implants.

The PICOSUN™ P-300 ALD systems have become the new standard in high volume ALD manufacturing. By integrating our patented hot-wall design with fully separated inlets, we can create the highest quality ALD films with excellent yield, low particle levels, and superior electrical and optical performance. The agile design with easy and fast maintenance ensures minimum system downtime and lowest cost-of-ownership in the market. Our proprietary Picoflow™ diffusion enhancer technology enables highly conformal coatings on ultra-high aspect ratio substrates with production-proven processes.

The PICOSUN™ P-300B ALD system is specially designed for batch processing in MEMS and 3-dimensional component production. The system is fast, highly reliable and extremely easy to maintain.

Please feel free to contact us for more information or a quotation!
THE PRINCIPLE OF ALD

Introduction of molecules containing element A.

Adsorption of the molecules on the surface.

Introduction of molecules containing element B and reaction with element A on the surface.

Completion of one monolayer of compound AB.

Repeat cycle till desired film thickness is reached.