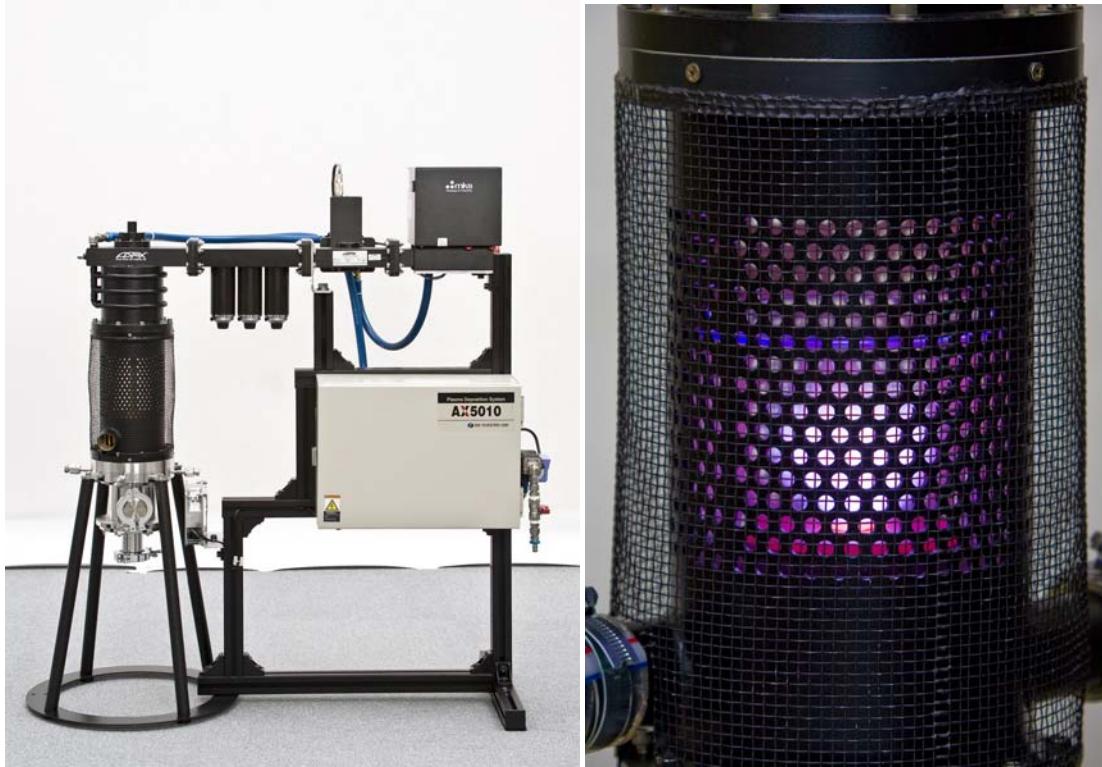


AX5010 Microwave Plasma CVD Reactor



The AX5010 Microwave Plasma CVD Reactor is used for growth of high quality diamond films. Intended as a low cost system for basic film research in R&D laboratories. It produces a wide range polycrystalline and single crystal diamond films on a variety of substrates with properties equal to or better than those made by any other method. The AX5010 is easy to use, small in size, and gives reproducible results.

The AX5010 reactor, as pictured, is delivered as a complete reactor assembly including 1.5kW microwave power generator, waveguide components, quartz bell jar chamber with support stand and air cooling blower. The AX5010 Reactor requires user provided integration of vacuum and gas delivery components to complete the working system. As an option the AX5010 is also available from the factory as a fully integrated system.

Diamond Film Synthesis Applications

- Microcrystalline
- Nanocrystalline
- Homoepitaxy
- Doped Films
- Hydrogenation