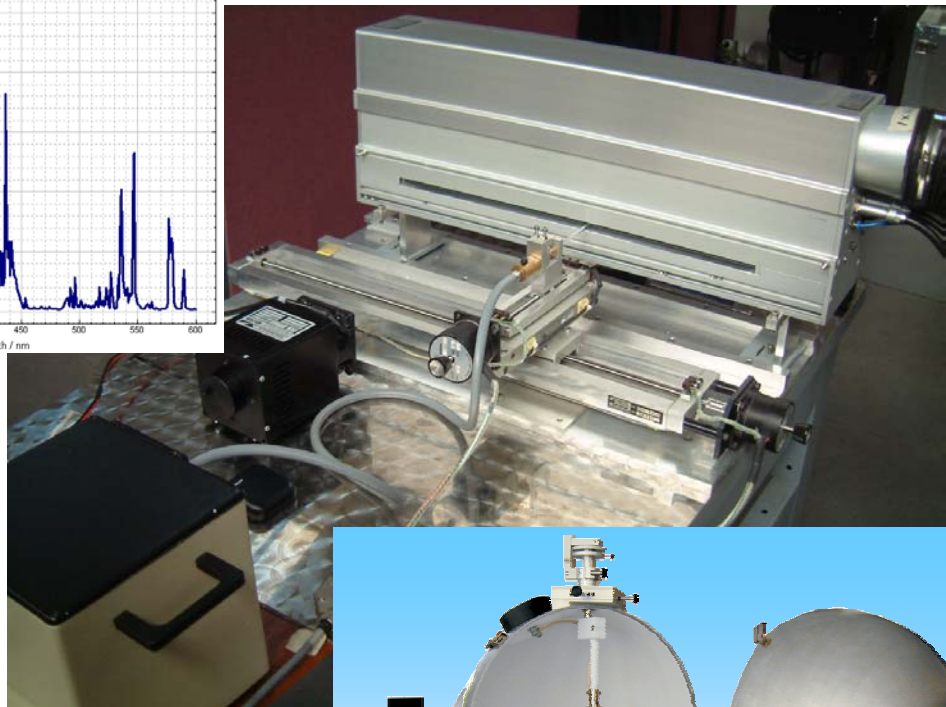
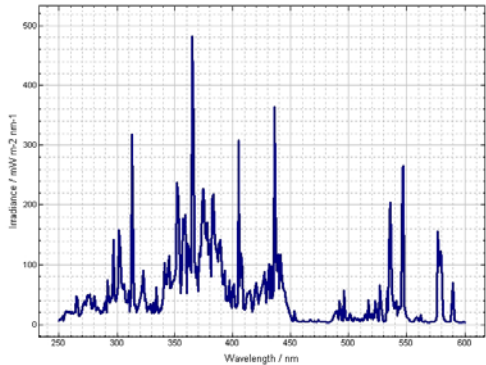


High Intensity UV Systems



Accurate measurements of high intensity UV sources used in industrial processes such as UV curing/coating, reprographic equipment, water purification and air conditioning systems pose particular difficulties. For example, medium pressure mercury arc lamps used for curing are typically rated from 80 to 400W per cm and may exceed 2m in length. The lamps operating environment is usually very hostile e.g. high temperature, hazardous to operators, etc.

Bentham provides a range of solutions for measuring the functional efficiency of such lamps as well as accurately assessing health and safety issues. The pictures show a double monochromator based system with motorised x-y stage for mapping the UV irradiance of UV curing lamps and a system for measuring total flux of metal halide lamps.