

## Wafer and Work Piece Detection in Chemical Environments to the Semiconductor Market

Sensors for wafer detection require high chemical resistance due to the splashing of cleaning solvents and developing liquids in the cleaning and exposure processes. Stable detection is made possible under these severe environments by using fiber optic photoelectric sensors and chemical resistant fibers.

A variety of types are available from Yamatake to meet the users' different mounting requirements.

### Applications

- Cleaning
- Spin coaters
- Coaters/Developers

### Features and Benefits

#### *Completely sealed fluorocarbon resin tube*

- Can be used in environments that require chemical resistance since the wire is completely sealed in a fluorocarbon tube.

#### *Custom orders available upon request*

- Custom configurations can be ordered to meet user requirements.
- Contact us for further information regarding fiber length, shape, etc.

#### *Diverse line-up with various mounting positions*

- Thru scan type top view long distance, thru scan type side view and reflective type sensors are available to meet the user's specific mounting requirements.

### Yamatake Products

Chemical resistance Teflon fiber: Thru scan top view: HPF-T013

Side view: HPF-027

Retroreflective type: HPF-D014

Fiber photoelectric sensor: HPX Series

Auto-tuning type: HPX-T Series

Gang-mounted type: HPX-ET Series

