



Biomedical

Life Science Technologies

Panasonic
ideas for life

EID-BioMed

Life Science Technologies



Advanced Technologies
for the
BioMed Industry





EID-BioMed

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Life Science Technologies

- Advanced Technologies for the BioMed Industry
- Solutions for Liquid Dispensing Process
- Sensors for Clinical Diagnostics Instruments
- Bio-Robotics Motion and Control
- HMI for BioMed Work Stations
- Safety Switches and Light Curtains

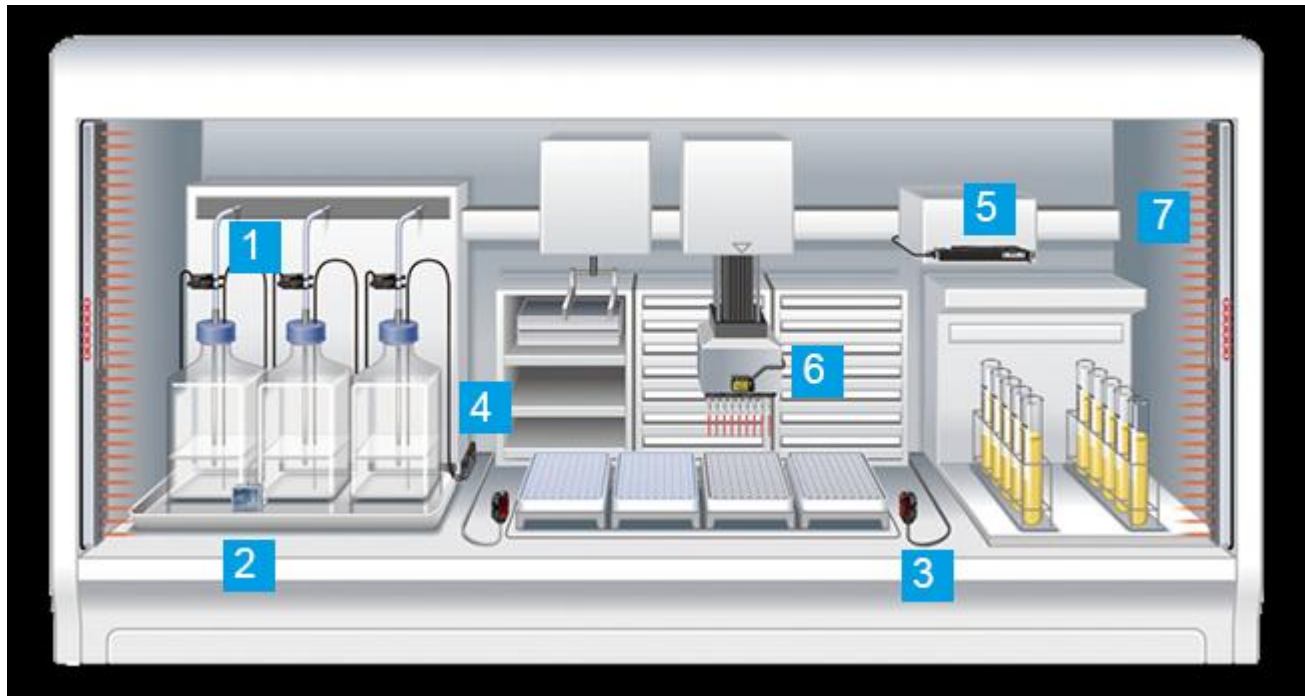




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Laboratory testing and conveyance devices



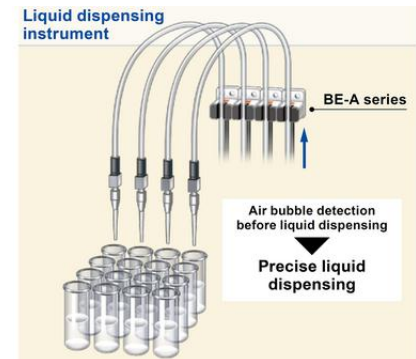


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Liquid Dispensing Process

- Tube Rack Detection
- Static Charge Removal from Reaction Containers and Sample Cups
- Liquid Level Detection for Reagent/Washing Liquid and Waste Tank
- Confirmation for Waste Liquid Discharge
- Serum/Plasma Level Detection
- Bubble Sensing at Resin Tubes
- Liquid Lake Detection



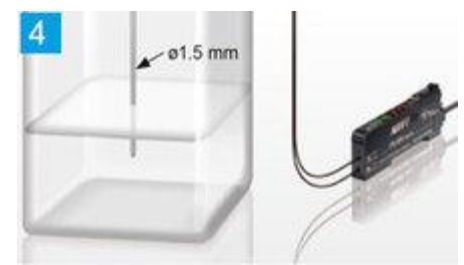


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Liquid Detection

- **Detecting the liquid level in a tube**
- EX-F1: Pipe-mountable liquid level detection sensor
- Optical **bubble detection** in liquid for tubes with a diameter of 3mm or 4mm.
- **Detection of chemical solution leaks**
- **Detection of remaining liquid in a sample vial**



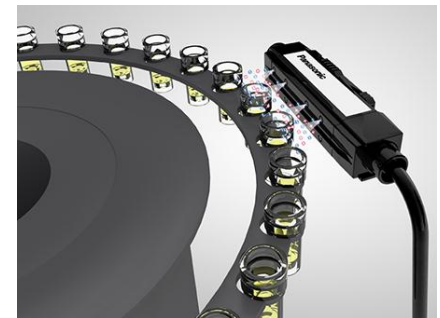


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Safety Solutions

- **Safety for operating personal**
 - [SF2C series: Ultra-slim safety light curtain](#)
- **Height control of the dispenser nozzle**
 - [HG-C series: Micro laser distance sensor](#)
- **Static elimination in test tubes and microplates**
 - [ER-X series: Area Ionizer](#)





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Motors & Motion Control for BioMed apps

- **MOTORS & GEARMOTORS**
 - superior accuracy, high quality, reliability, easy maintenance and silent operation
- **PLC and Motion Control**
 - Automation and Logic Control
- **Limit Switches and Proximity Sensors**

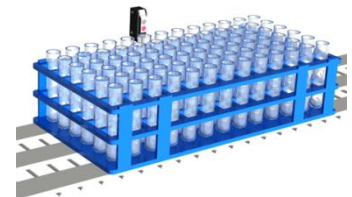
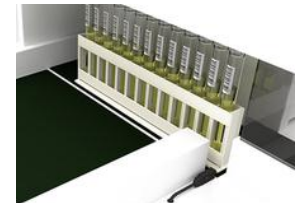
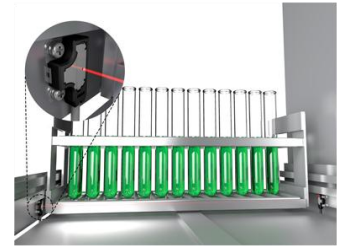




Biomedical applications for sensors

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- **Bubble Sensor**
 - https://youtu.be/TCfIx_z-iWY
- **Detecting the Presence / absence of test tube trays**
- ***Tube rack detection***
- ***Detecting rack of tubes***



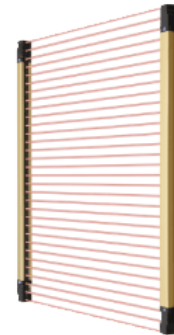


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LINKS

- <https://www.panasonic-electric-works.com/eu/biomedical-applications-for-sensors.htm>
- <https://www.panasonic-electric-works.com/pl/laboratory-testing-and-conveyance-devices.htm>





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Thank You



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