

## Exhibition Details

### Automotive Engineering Exposition 2016 YOKOHAMA

Fukuda is pleased to announce that the company will be attending the Automotive Engineering Exposition 2016 YOKOHAMA, at which we will be introducing the following products designed for the automotive industry.

We very much hope that you will be able to take the opportunity to visit us there.

Session Times: May, 25 (Wed)-27 (Fri) 10:00~18:00 (Final day's session will run to 17:00)  
 Venue: PACIFICO YOKOHAMA Exhibition Hall  
 Booth: 7

#### Products to be exhibited



##### Air Leak Tester with Auto Calibrating Functionality *FLZ-0620 series*

- An air-leak tester with improved leak volume precision, and which converts its results based on auto-calibration of effects of environmental changes (ambient temperature and pressure etc.)
- Improved leak sensitivity precision through its auto-calibrating function
  - Improved testing precision from a more stabilized zero point
  - Separation of the testing station  
 (Greater identification of test part and sensor environments)



##### Ultra Fine Leak Test System *MUH-0100 series*

- Dedicated ultra fine leak testing system using helium gas
- Leak determination level: Testing is possible down to  $4 \times 10^{-15}$  Pa·m<sup>3</sup>/s (He)
- Maximum test parts size:  $\Phi 44 \times L31$ mm (Angle 30 × 30)
- Applicable test parts: MEMS parts “Pressure sensors, Acceleration sensors, Angular velocity sensors, Infrared image sensors”, etc.



##### Hydrogen Leak Detector *HD-111 series*

- Ideal in specific leak location finding using the supplied probe
- Safe operation due to using a tracer gas mixture of 5% Hydrogen + 95% Nitrogen

#### Fukuda display also features

##### Gas Leak Test System *CGS-0100 series*

- User-friendly unit which integrates a gas leak system in a compact format
- Each unit can be assembled with a layout to suit user requirements
- Delivers both lower costs and shorter lead times by avoiding need for ground-up designs of dedicated machines
- Optimal in leak testing requiring high precision or high pressure

##### High-precision flow tester *FMZ-1070 series*

- Flow tester designed for large-volume test parts
- Test part volume 10L, leak standard 1mL/min
- Maintains isothermal air conditions inside the tank (utilizes an isothermal pressure container)
- Test subject items: Fuel cell stack (assembly), oil pans, portable repeaters, air pressure units for turbochargers and superchargers, etc.