PRESCALE will provide an opportunity to support R&D and production processes for EV, HEV/PHEV, FCV. Contributes to higher quality and safer manufacturing.

**Examples of EV/HEV/FCV**

- **Li-ion battery**
  - Measure nip pressure of coating machine for electrode
  - Check contact condition of stacking machine for cathode, anode and separator
  - Test contact condition of tab welding machine

- **Motor**
  - Tightening pressure in assembling
  - Verify contact conditions for polishing magnets

- **Fuel cell**
  - Uniformity of cell stack
  - Flatness of separators
  - Adhesive pressure of electrolyte membrane lamination

- **Gasket/O-ring**
  - Check sealing performance of gaskets, seals and O-rings
  - Measure nip pressure of coating machine for electrode
  - Verify contact conditions of molds

**Examples of engine compartment**

- **Cylinder head gasket**
  - Inspect sealing performance of cylinder head gaskets
  - (Included in JISD3105)

- **Air filter/Oil filter**
  - Observe contact conditions when attaching filter parts

- **Oilpan**
  - Confirm sealing performance of oil pans

**Examples of car electronics**

- **Car navigation/In-console**
  - Test contact conditions of ACF bonding machine for LCD panel or touch panel
  - Check roller pressure uniformity when attaching cover glass or OCA to touch panel

- **PCB/Ceramic devices**
  - Measure squeegee pressure distribution during cream solder printing
  - Measure adhesive pressure of DFR lamination

- **Die casting**
  - Verify contact condition of molds
  - Verify form of die casting by inserting between molds and die cast

**Examples of engine compartment**

- **Gasket/O-ring**
  - Check sealing performance of gaskets, seals and O-rings


*Note that the specifications and performance data described in this catalog are subject to change without notice for the purpose of improvement. Since the images provided are used for illustration purposes, they may differ slightly from actual products.*

http://www.fujifilm.com/products/prescale/

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Wide Range of Applications and Measurement Techniques

Measurement results examples

- Cylinder head gasket
- Brake
- Tire
- Li-ion battery

Examples for automobile components

- **Air bag**
  - Impact pressure
  - Evaluate the safety of airbag

- **Wiper**
  - Contact condition
  - Test contact conditions and performance of wiper blades against windshield

- **Wire harness**
  - Tightening pressure
  - Check sealing performance of wire harness grommets

- **Plastic parts (Bumper, Dashboard, etc.)**
  - Contact condition
  - Verify contact conditions of molds for injection molding machines
  - Verify form of moldings by putting between molds and moldings

- **Transmission**
  - Contact condition
  - Test contact condition of gear wheels for transmissions
  - Test sealing performance of transmission cover

- **Contact condition**
  - Measure contact condition of clutch plates
  - Measure sealing performance of clutch cover

- **Body/Chassis**
  - Adjustment of press machines by measuring contact condition of distance blocks
  - Verify contact conditions of mold
  - Verify the product's form by inserting between molds and body or chassis
  - Check contact condition of electrodes in spot welding or projection welding

- **Door**
  - Contact condition
  - Validate contact conditions of door weatherstrip

- **Fuel tank**
  - Contact condition
  - Check contact condition of electrodes in spot welding or projection welding fuel mator to fuel tank

- **Brake**
  - Contact condition
  - Measure contact condition of brake pads

- **Aluminum-wheel**
  - Contact condition
  - Verify tightening pressure balance attaching aluminum wheel

- **Exhaust**
  - Check tightening pressure between exhaust manifolds and flanges of mufflers
  - Check adhesive pressure of laminating rubber

- **Tire**
  - Contact condition
  - Check the trace in running test
  - Check tightening pressure of catalytic converter

- **Seat**
  - Check the conditions endurance test
  - Measure the contact pressure in test dummy research applications

- **Floor mat**
  - Check adhesive pressure of floor mat lamination

- **Clutch**
  - Measure contact condition of clutch plates
  - Measure sealing performance of clutch cover

- **Head lamp**
  - Check contact conditions when attaching head lamp

- **Wire harness**
  - Tightening pressure
  - Measure the contact pressure in test dummy research applications

- **Contact condition**
  - Measure the contact condition of clutch plates
  - Measure the contact condition of clutch cover

- **Exhaust**
  - Check the trace in running test
  - Check adhesive pressure of laminating rubber