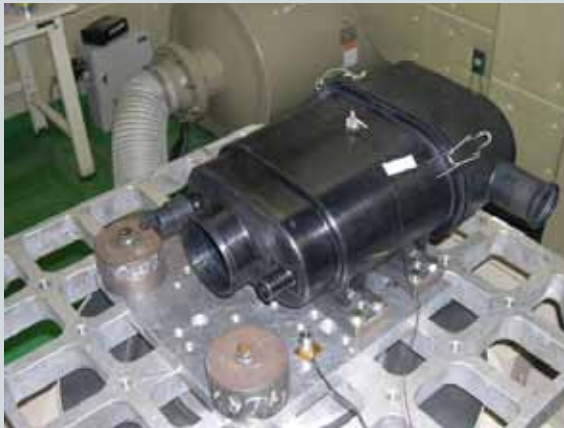




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FILTRATION SOLUTIONS

## AIR FILTRATION DEVELOPMENT TOOLS

# Product Reliability



### Test and Evaluation

#### VIBRATION TABLES

- Used to stress hardware to assess durability
- Applies sine, random, shock or computerized vibration profiles
- Capability to conduct hot or cold test
- Capability to test under flow conditions
- Multiple tests cells in U.S. and Europe

#### TENSILE/COMPRESSION TESTER

- Used to test material, component and assembly properties

#### TEMPERATURE CHAMBERS

- Allows testing at hot or cold temperature, with humidity control
- Static or temp/RH cycles

### Design Validation / Field Test

#### VARIETY OF VEHICLES

- Medium- and Heavy-duty Truck and Bus, Construction, Industrial, Mining, Agriculture, Military/Defense

#### EXTREME GEOGRAPHY AND CLIMATE

- Extreme hot and cold climates
  - Arizona summers to Canadian winters
- High and low altitudes

#### DATA COLLECTION

- Filter weight
- Visual and mechanical inspection
- Collect run-time data from data logger
- Operational check

#### PERFORMANCE MONITORING

- Telemetry data acquisition with GPS for real-time data collection

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