

GASROAD.Co.Ltd

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major business	Test Equipment&Facility, Rocket Engine, Pressure Vessel		

GASROAD co. Ltd, founded in 2001, specialized in the test equipment and facility in extreme environment(ex: 240MPa and 10^7 Pa at $-260\sim 2000^\circ\text{C}$). The company perform the design, manufacturing, installation and HMI software program independently as the EPC(Engineering, procurement and Construction) company. Also, the company provide the test equipments for aerospace, defence fields, gas turbine engines and hydrogen system to meet various kinds of test requirements in accordance with the safety priority No.1 and reliable test environment.

Products



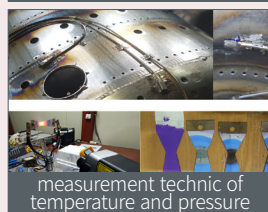
Use Functional test with pressurization process which is in accordance with the test environment

Description Pressurization and cycling test equipment in extreme environment with 105MPa, $-40\sim 80^\circ\text{C}$. Which includes the design of the pressurization system with the safety chamber in accordance with the test requirements



Use burst test for pressurization vessel

Description fatigue test and cycling test equipment during pressurization test up to max. 400MPa. Which is to prove the fatigue, burst and cycling test process. It is required the safety chamber to absorb impact power during the test



Use measurement of the temperature and pressure which is the specific position of the test parts with thermo-couple and pressure rake

Description measurement temperature on the exact spot insulated and protected from unexpected test environment. It measure the temperature of butterfly test specimen with specific paint which is not accessible point

Technical Capacity

» Ultra high pressure and environment test

- 150MPa @ $-40\sim 80^\circ\text{C}$
- cycling/fatigue test: $2\sim 105\text{MPa}$ 10sec/cycle

» Measurement technic of temp.and pressure

- temperature, pressure rake design and Mfg
- measurement of total temp. and pressure

» Burst and fatigue test

- burst: pressurization to 240MPa
- fatigue: $2\sim 125\text{MPa}$ 20sec/Cycle

» Burner for simulation of heating source

- design and mfg. of gas turbine combustor
- design and mfg. of the combustor for the gas of H_2 , NG, LPG, NH_3 , CO etc