

PRODUCT UNDER THE TEST

Automax provides test system for so many kinds of automotive unit and component which is from engines to vehicles and tires, centering on driving systems. The product under the test in the figure below is an example, and even in the same unit/component, the structure and system of the tester varies widely depending on the purpose of the test.

We will propose an optimal test system based on accumulated technology and experience.

TRANSMISSION	COMPONENT 1	COMPONENT 2	TRIBOLOGY	VEHICLE/CHASSIS	ENGINE/COMPONENT
 Transaxle	 Torque Converter	 Valve Body	 SAE#2	 Suspension	 Piston & Liner
 4WD Drivetrain	 Gear Wheel	 Clutch-pack	 LVFA	 Tire	 Valvetrain
 N.V. Test	 Synchronizer	 Drive-shaft	 Synchronizer-ring	 Steering	 Valve & Valve Seat
 Intensity Test	 Bearing	 Oil Pump	 Friction Material	 Brake	 Radiator

CLASSIFICATION OF ENGINE AND COMPONENTS TESTING

FRICITION TESTING

Friction Measurement Material Level



Friction Measurement Valve-train Level



Dynamic Friction Measurement



Friction Measurement Engine Level



DURABILITY & FATIGUE TESTING

Engine Motoring



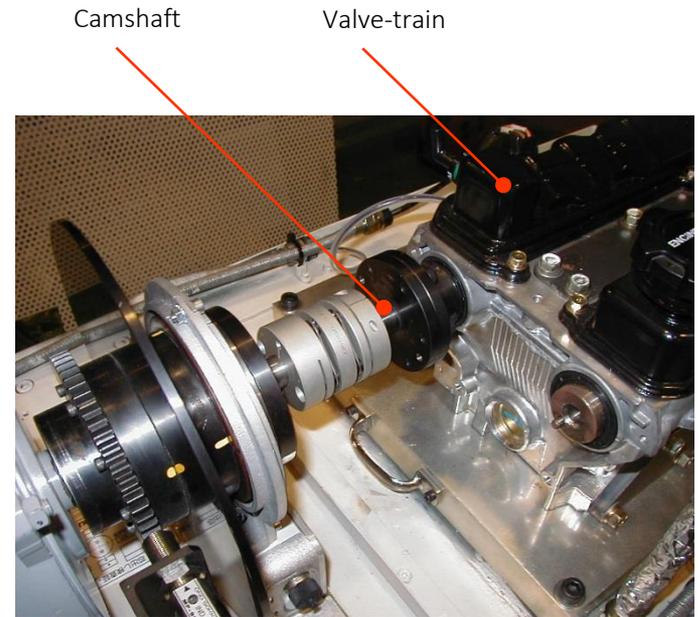
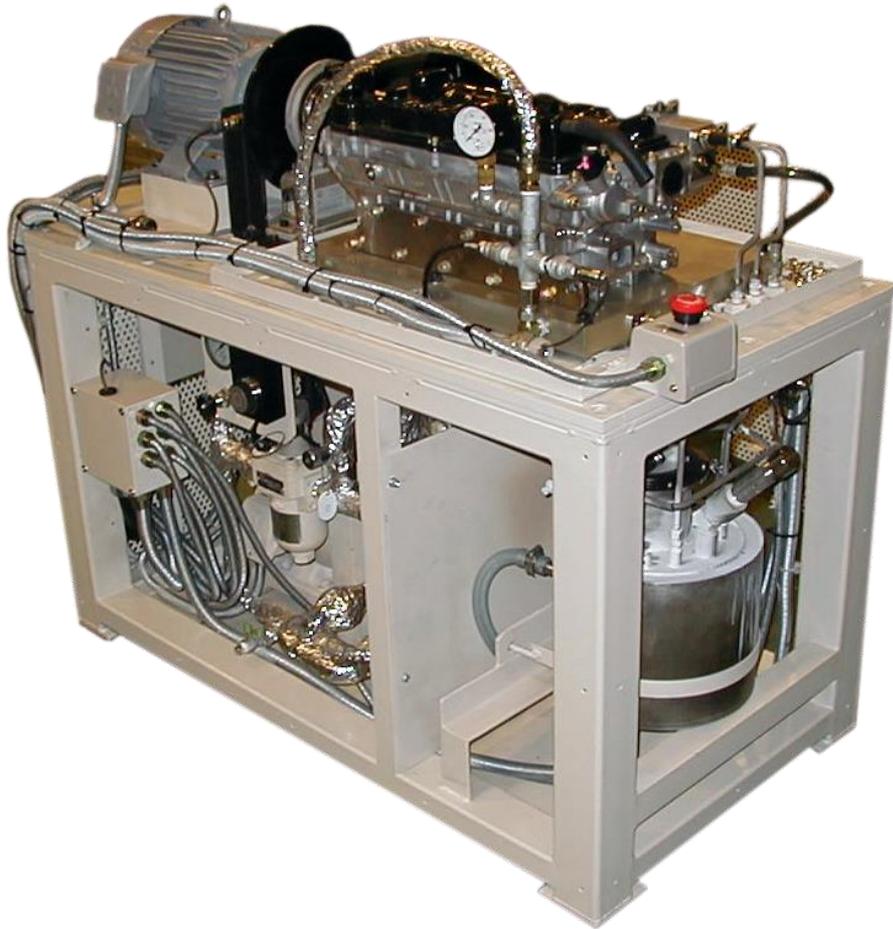
Valve-sheet Exciting



Radiator Impulse



VALVE-TRAIN FRICTION TESTER



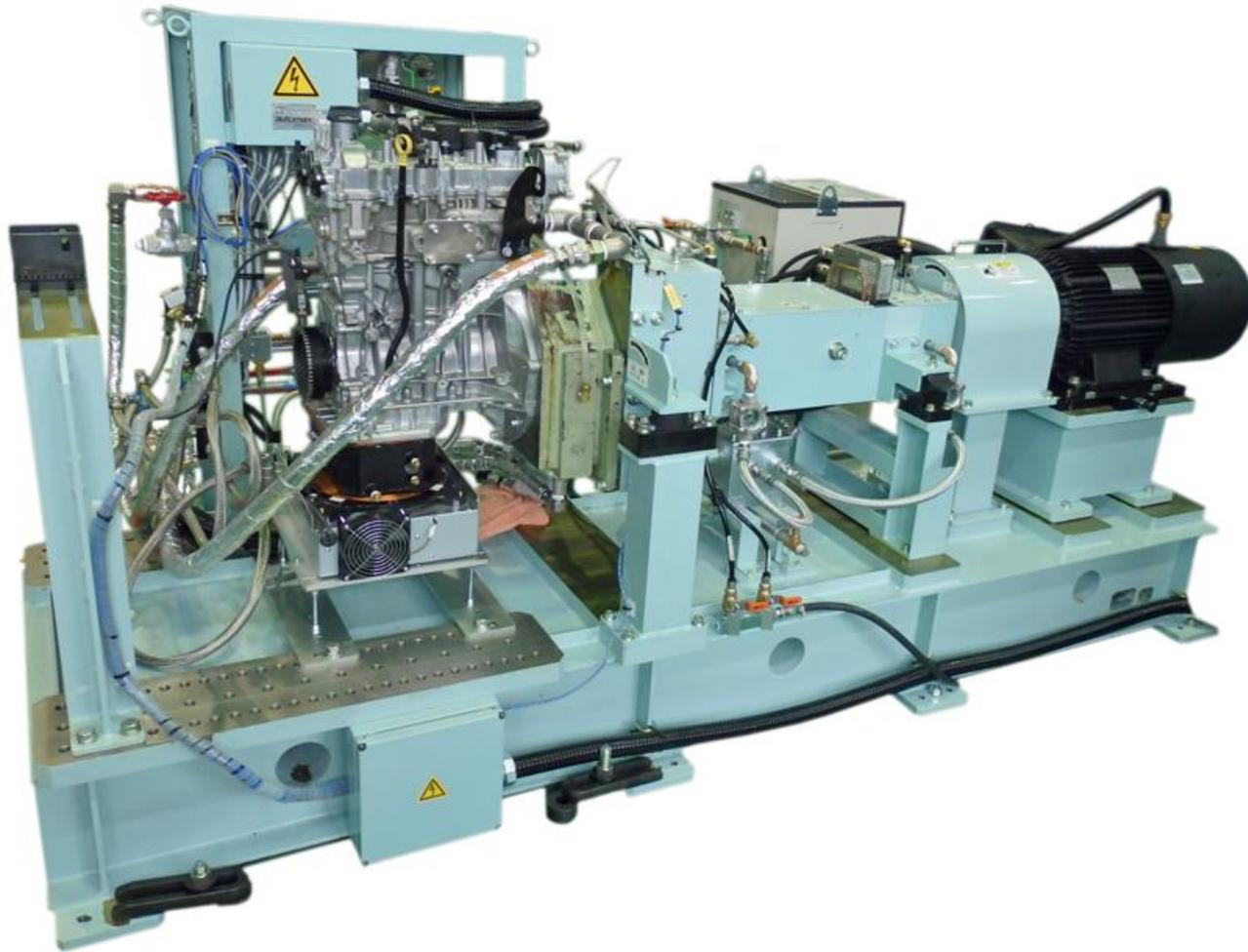
ENGINE MOTORING TESTER WITH COLD CHAMBER



VALVE-TRAIN MOTORING BENCH



ENGINE FRICTION MEASUREMENT TESTER



PISTON AND CYLINDER LINER SLIDING FRICTION TESTER



VALVE SHEET TESTER



光加熱装置部（供試体バルブシート/フェイス面）

WEAR AND FRICTION TESTER PIN-ON-DISK METHOD

