

# 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 DRIVETRAIN COMPONENTS TESTING

## FRICITION & FUNCTION TEST

Multi-components



NV Measurement



Friction Measurement



Transmission Error



Friction Properties



Hydraulic Properties



## DURABILITY & FATIGUE TESTING

Dynamometer



Four Square System



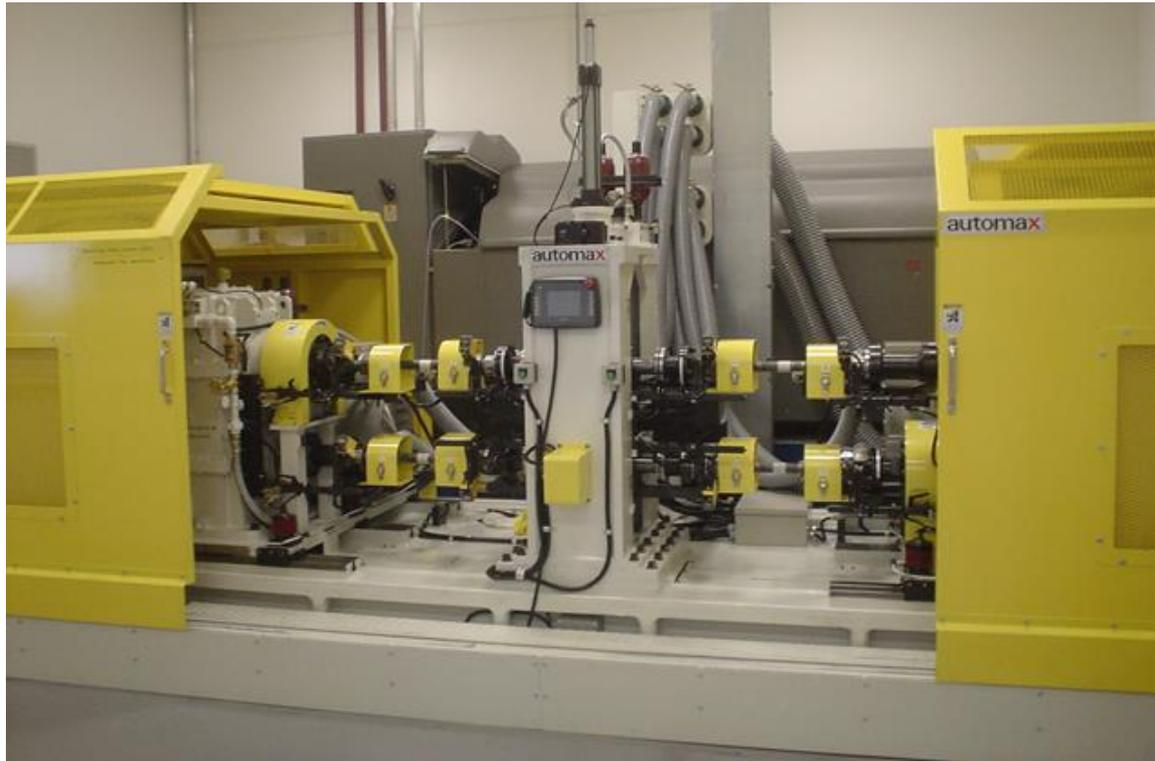
Torsion Fatigue



# DYNAMOMETER FOR TORQUE CONVERTER AND LOCK-UP SYSTEM



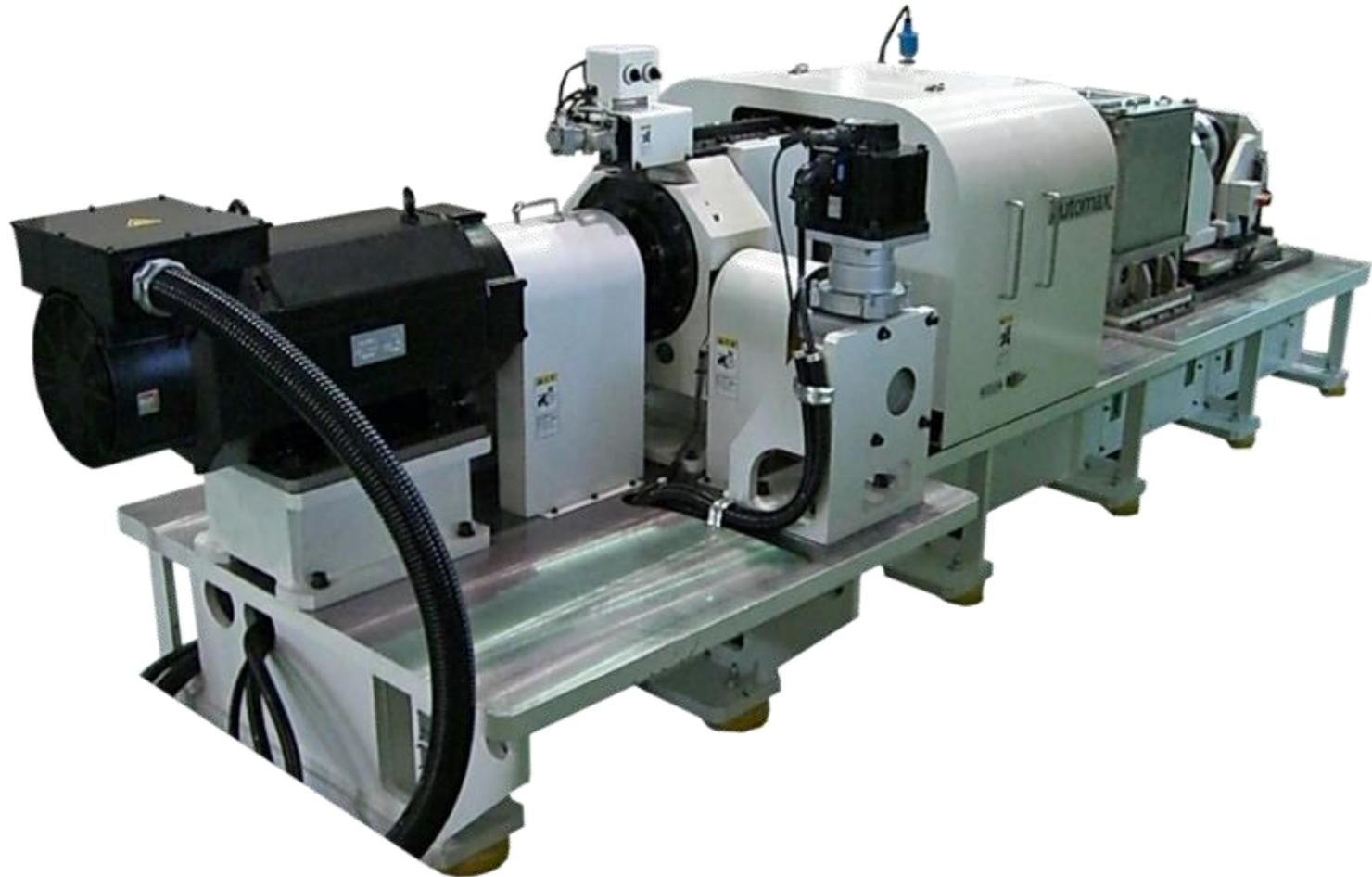
# FOUR SQUARE TEST SYSTEM FOR DRIVE-SHAFT



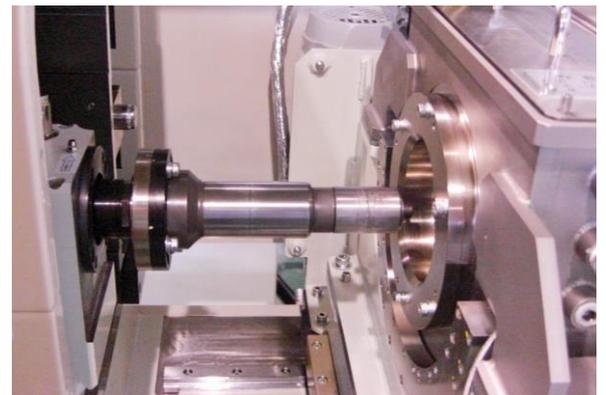
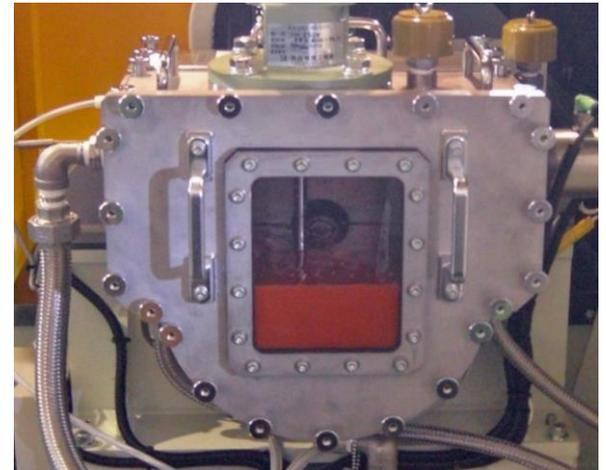
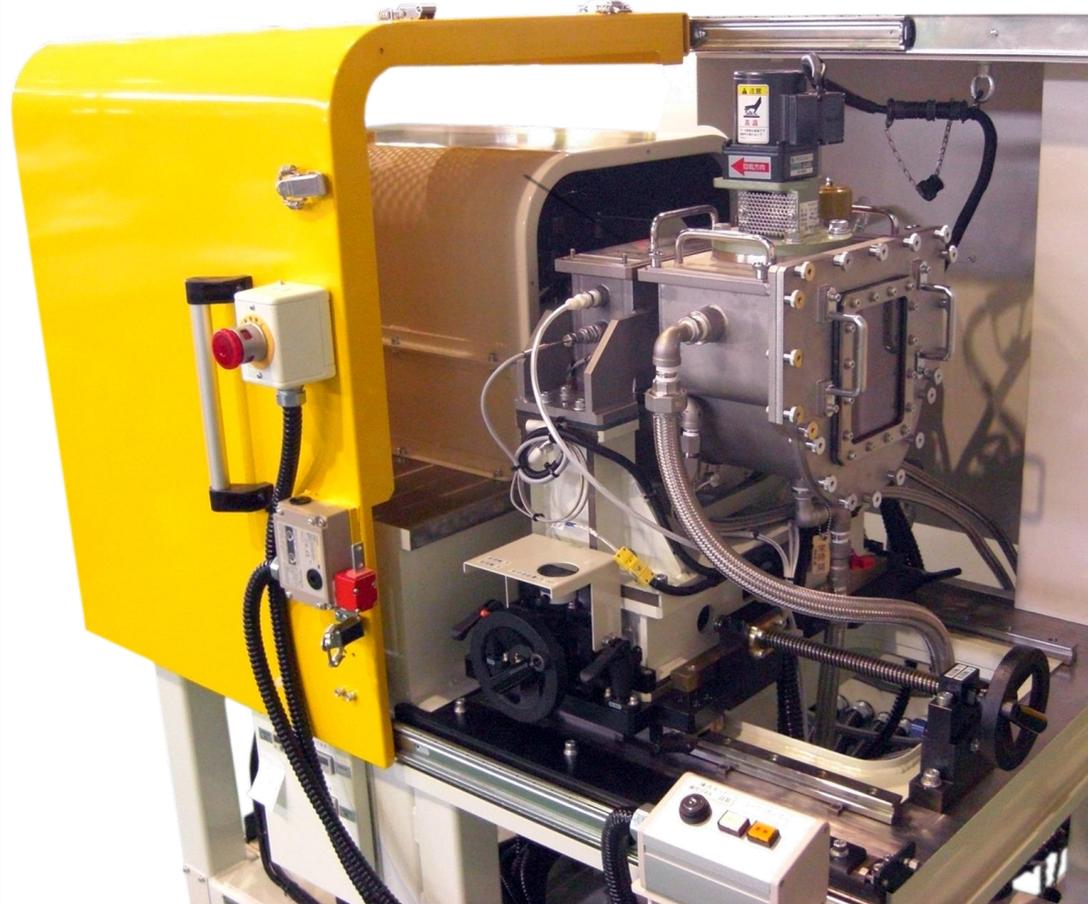
# GEAR WHEEL DURABILITY TEST SYSTEM



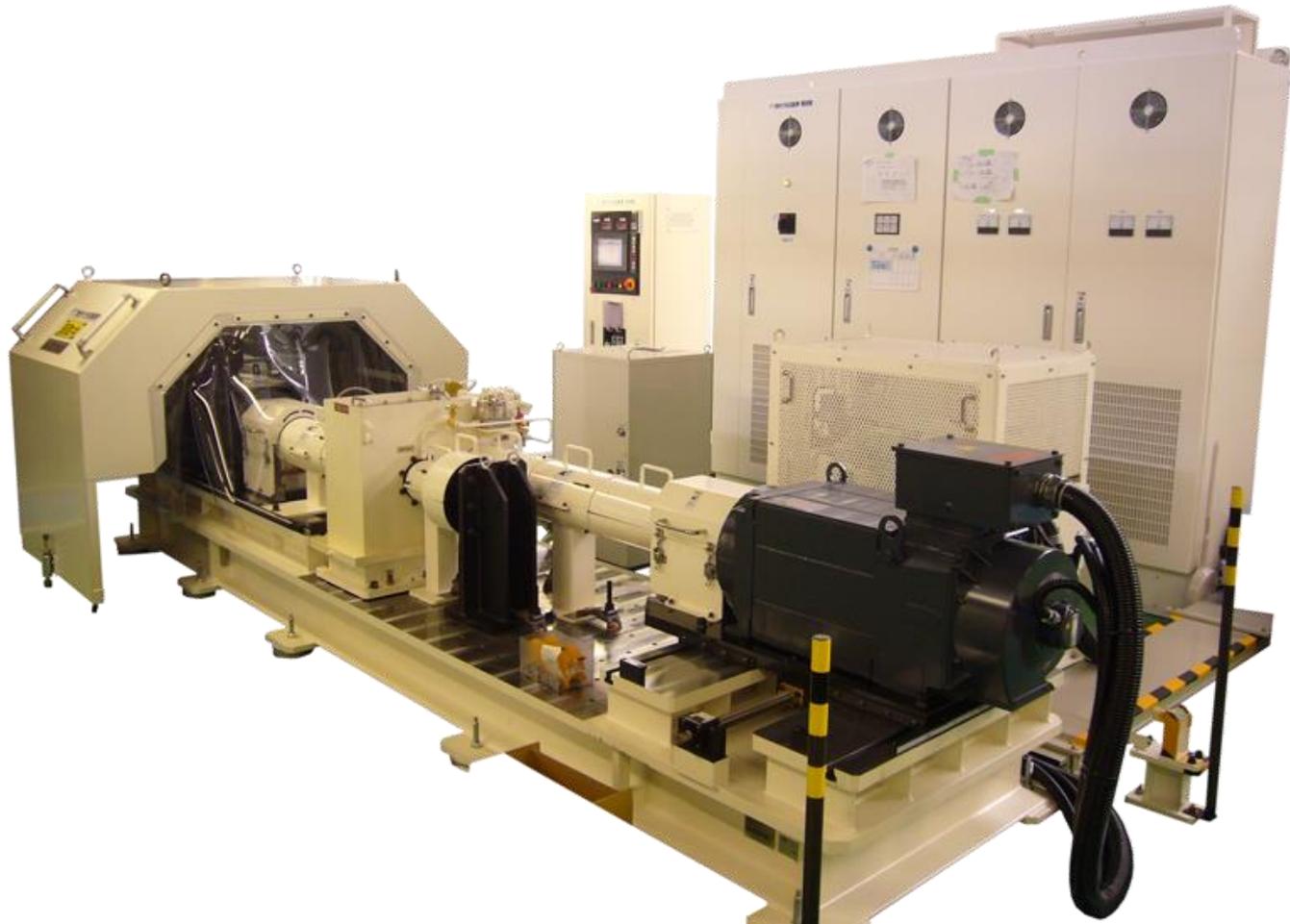
# CLUTCK-PACK FRICTION PROPERTIES TEST SYSTEM



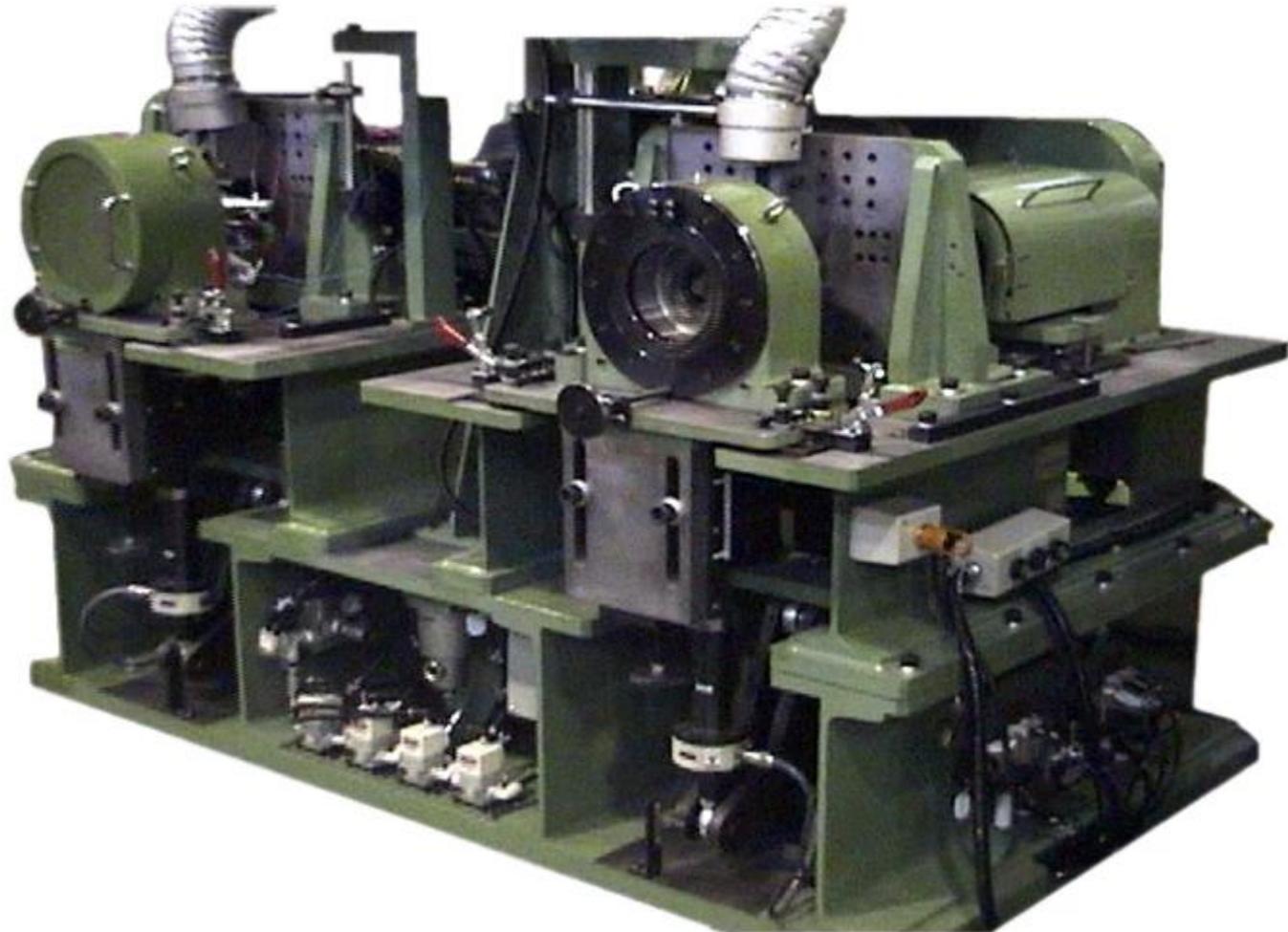
# OIL-SEAL WEAR TESTER IN MUDDY WATER AND DUST ENVIRONMENT



# DYNAMOMETER FOR AXLE ASSEMBLY AND DIFFERENTIAL LEVEL



# WHEEL-HUB BEARLING LOAD LIFE TESTER



# BEARING WEAR TESTER

