



TEST SYSTEMS for the AUTOMOTIVE INDUSTRY

PASSENGER CARS • OFF-HIGHWAY VEHICLES • MILITARY VEHICLES • SPECIAL-PURPOSE VEHICLES • TRUCKS • BUSES • SUBSYSTEMS • COMPONENTS



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AUTOMOTIVE INDUSTRY REPRESENTATIVE CUSTOMERS and PROJECTS

Special-Purpose Dynamometers

Clemson University–International Center for Automotive Research (CU–ICAR)	<ul style="list-style-type: none">• 4WD Chassis Dynamometer with Hemi-Anechoic Chamber
EPA	<ul style="list-style-type: none">• Heavy-Duty Truck Chassis Dynamometer• Large Roll DC Cradled Dynamometer in Environmental Chamber• Heavy-Duty Transient Control System for Engine Dynamometer
Eberspächer North America	<ul style="list-style-type: none">• Chassis Dynamometer
Pontiac Motor Division, General Motors	<ul style="list-style-type: none">• Computer Control System for Existing Chassis Dynamometer
Ford Motor Company	<ul style="list-style-type: none">• Computer-Controlled Engine Dynamometer• FWD Differential Dynamometer• Heavy-Duty Truck Dynamometer Large-Roll DC System
Navistar	<ul style="list-style-type: none">• Heavy-Duty Transient Control System for Engine Dynamometer• Diesel Engine Hot and Diagnostic Test Stands
Allison Transmission	<ul style="list-style-type: none">• Engine / Transmission Dynamometer Test Cell• Large Roll DC Truck Dynamometer
US DOT	<ul style="list-style-type: none">• Large Roll DC Cradled Chassis Dynamometer
Hayes-Albion	<ul style="list-style-type: none">• Anechoic Chamber Chassis Dynamometer
Shell Development Company	<ul style="list-style-type: none">• Large Roll DC Chassis Dynamometer for Environmental Chamber
NASA	<ul style="list-style-type: none">• Electric Vehicle Engine / Chassis Dynamometer Configuration
Chevrolet Motor Division	<ul style="list-style-type: none">• Automotive Rear Axle Test Stand
University of Texas	<ul style="list-style-type: none">• Engine Dynamometer Test Cell
Agency for Defense and Development, Republic of Korea	<ul style="list-style-type: none">• Tracked Vehicle Dynamometer System with Undulating Simulator• Engine / Transmission Dynamometer Test Cell
Twin Disc	<ul style="list-style-type: none">• Military Transmission Dynamometer
AC Rochester	<ul style="list-style-type: none">• Large Roll Chassis Dynamometer for Environmental Chamber
General Dynamics Services Company	<ul style="list-style-type: none">• Military Engine Dynamometer• Military Transmission Dynamometer

Component Test Equipment

Bendix	<ul style="list-style-type: none"> Compressor Functional Test Stand
Cummins Engine Company	<ul style="list-style-type: none"> Injector Flow Test Stand Injector Nozzle Flow Stands Air Compressor Test Stand
Harley-Davidson	<ul style="list-style-type: none"> Cylinder Head Audit Test Stand
Eaton Corporation	<ul style="list-style-type: none"> Combination Pump and Motor Test Stand High Pressure Hydraulic Control Valve Test Stand
TRW	<ul style="list-style-type: none"> Power Steering Pump Test Stands
TRW Ross Gear	<ul style="list-style-type: none"> Hydraulic Motor Test Stand
Ford Motor Company	<ul style="list-style-type: none"> Semi-Automatic Submerge Leak Test Stand for Testing Rack and Pinion Power Steering Gear Assembly Rack and Pinion Steering Gear Production Test Stand Steering Gear Development and Audit Test Stand Hydraulic Steering Unit Test Stand
Navistar	<ul style="list-style-type: none"> Test Stand for Tractor Control Valves Computer-Controlled Valve Test Stand
Allison Transmission	<ul style="list-style-type: none"> Test Stands for X-1100 Tank Transmission Components Test Stand for X-1100 Tank Transmission Final Drive Leak Test Stands for X-1100 Tank Transmission Housings Transmission Component Environmental Durability Test Stand Governor Gear Test Stand Solenoid Valve Test Stand Planetary Gear Test Stand
Daewoo Heavy Industries	<ul style="list-style-type: none"> Transaxle Test Stand
Delco Remy Division	<ul style="list-style-type: none"> Starter Motor Endurance Test Stand Distributor Durability Test Stand Solenoid Endurance Test Stand
Caterpillar Tractor	<ul style="list-style-type: none"> Clutch / Brake Test Stand Portable Instrumentation Test Cart for Crawler Testing
BorgWarner	<ul style="list-style-type: none"> Clutch Fade Test Stand
Purdue University	<ul style="list-style-type: none"> Process Control Trainer
General Dynamics Services Company	<ul style="list-style-type: none"> Hydraulic Winch Test Stand
Carter Carburetor	<ul style="list-style-type: none"> Air Bypass Valve Leakage Check
Speco Division, Kelsey Hayes	<ul style="list-style-type: none"> Rotary Launcher
Contour Hardening	<ul style="list-style-type: none"> Induction Hardening Machine Workstation

Mileage Accumulation Dynamometers

General Motors Proving Ground	• Milford, MI
Ford Motor Company	• Romeo, Dearborn, and Livonia, MI
Amoco Chemical Co.	• Naperville, IL
Lubrizol Corporation	• Cleveland, OH
US Post Office	• Merrifield, VA
E. I. du Pont De Nemours & Company	• Wilmington, DE
Texaco, Inc.	• Beacon, NY
Fiat	• Turin, ITALY
Kia Motors	• Kyungki-Do, SOUTH KOREA
Associated Octel Co. Ltd.	• Bletchley, ENGLAND
Toyota Technical Center	• Los Angeles, CA
Navistar	• Fort Wayne, IN
Chrysler Corporation	• Detroit, MI • Kokomo, IN
Porsche	• Stuttgart, GERMANY
Mobil Research & Development Corp.	• Paulsboro, NJ
Chevrolet Motor Division	• Warren, MI
Ashland Oil	• Ashland, KY
Oldsmobile Division	• Lansing, MI
Cadillac Motor Car Division	• Detroit, MI
Pontiac Division	• Pontiac, MI
Bendix Corporation	• Fostoria, OH
Gulf Research & Development Co.	• Pittsburgh, PA
Mitsubishi Oil Co.	• Tokyo, JAPAN
Arvin Industries	• Columbus, IN
Exxon Petroleum	• Linden, NJ
Daewoo Motors	• Incheon, SOUTH KOREA
Chevron Research Co.	• Richmond, CA
Atlantic Richfield Company	• Harvey, IL

In addition to our special-purpose and mileage-accumulation dynamometers and component test equipment, RENK Systems Corporation also provides PREVENTIVE MAINTENANCE, REPAIR, and SPARE PARTS SERVICES for all of our test stands and automotive projects.