

Automotive Testing Technology International

News

Sakor announces Accudyne systems

Sakor Technologies, Inc., a specialist in the implementation of instrumentation products for dynamometer testing, has introduced its Accudyne family of AC Motoring Dynamometers.

The Accudyne offers a flexible dynamometer system that is readily compatible with a broad range of testing applications, including conventional engine and powertrain systems, hybrid vehicle drives, electric motors and rotary components, such as alternators, generators, pumps, compressors and much more.

Available in sizes ranging from fractional to over 2,000 horsepower, and speeds in excess of 30,000rpm, Accudyne dynamometers are appropriate for almost any rotational testing need. Modern vector drive technology allows the Accudyne system to provide four-quadrant capability, with completely seamless crossover between motoring and loading modes. It also offers the most precise speed and torque control available, especially in low speed applications where full torque can be applied all the way to stall (zero speed).

For more sophisticated testing requirements, the Accudyne dynamometer family offers advanced features, such as:

- Inertia simulation – The Accudyne can simulate the inertia of the target device, eliminating the need for adding physical weights and flywheels to the test system.
- Engine simulation – Utilizing advanced DSP technology, the Accudyne can simulate the firing pulses of a wide variety of engines. It can thus perform real-world testing of drivetrains and auxiliary components in a laboratory environment without the hassle and expense of a complete engine cell.
- NVH testing – Water-cooled versions of the Accudyne are extremely quiet, and therefore appropriate for NVH testing applications. Utilizing dynamic frequency shifting capability, the Accudyne can change its operating frequency, further eliminating any

conflict with target frequencies being measured.