

Power Transmission Engineering®

FEBRUARY 2013

GEAR DESIGN SOFTWARE



Product Focus:
Gears and Gear Drives
Hydrostatic Drive Concept

Technical

[Ask the Expert: Calculating Ball Screw Load]

[Gearbox + NEMA-Premium Motors:
Their Efficiency Must Be Calculated]

[Bearing Steels: A Technical and Historical Perspective]

Power Play

Before There Were Bar Cars

Sakor Technologies

ANNOUNCES FAMILY OF AC DYNAMOMETERS

Sakor Technologies, Inc. recently introduced its Accudyne family of AC Motoring Dynamometers. The Accudyne offers an extremely 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 hp, and speeds in excess of 30,000 rpm, Accudyne dynamometers are appropriate for almost any rotational testing need.

Modern vector drive technology allows the Accudyne system to provide true 4-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

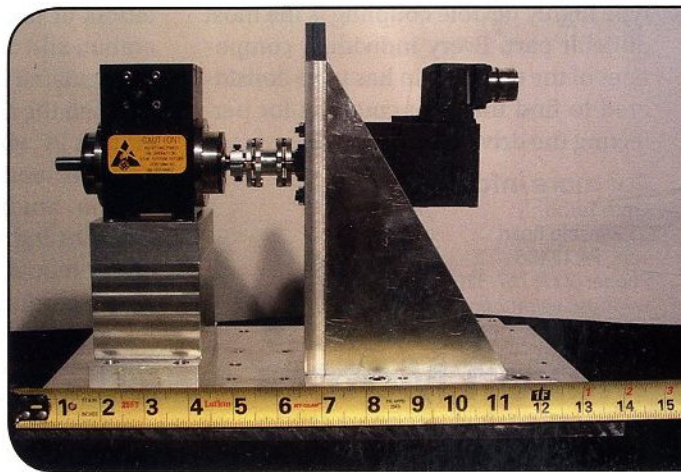
stall (zero speed). For more sophisticated testing requirements, the Accudyne dynamometer family offers advanced features, such as inertia simulation, engine simulation and NVH Testing.

Additionally, Sakor recently introduced the MicroDyne series of small motoring dynamometers. Suitable for a wide range of automotive, military and aerospace testing applications, this newest innovation from Sakor is capable of testing all types of small rotary devices such as motors, pumps, generators, compressors and more. The MicroDyne is a fully functional, four-quadrant dynamometer engineered specifically

for low-power applications. Versions are available in sizes from 100 watts to five kilowatts.

For more information:

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Okemos, MI 48864
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www.sakor.com



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