

Vehicle Research

DynoLAB PT

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SAKOR Technologies

SAKOR Technologies, Inc., a provider of the implementation of instrumentation products for powertrain system testing and long known for the powerful and cost-effective DynoLAB PT dynamometer test cell control system, provides complete turn-key test cells for engine, powertrain, and component testing. At the heart of each test cell design is the DynoLAB PT data acquisition and control system, which integrates external devices, including dynamometers, throttle actuators, spark & fuel controllers, combustion analysis systems, emission analyzers, and other smart I/O devices, into a single, coherent test system.

Based on individual customer requirements, SAKOR engineers select each of these components, as well as all sensors, actuators, and any necessary cell mechanics including cooling systems, fuel conditioning systems, couplings, drive-shafts, guards, bed plates, dynamometer bases, and docking carts, to build the ideal test cell equipment for each customer's specific needs. SAKOR also offers complete cell upgrade services.

The DynoLAB PT system is specifically designed to work with all types of dynamometers. SAKOR can provide its customers with any type they desire; however, for maximum performance, the Accudyne line of AC motoring dynamometers is recommended. Accudyne dynamometers offer full 4-quadrant operation with seamless transition between loading and motoring modes. The combination of a DynoLAB PT with an Accudyne dynamometer is perfect for performing road-load simulation as well as race track simulation, transmission testing, and other applications that require both driving and loading.

Whether dealing with performance evaluation, drivetrain and component durability testing, in-use simulation, quality control, catalyst performance and aging studies, or other dynamometer based testing, SAKOR Technologies designs and builds quality and affordable dynamometer test cell systems tailored to each customer's specific needs.

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