

TDAS-Series

TEST SYSTEM FOR EV

EV MOTOR / HEV MOTOR / EV E-Axle



Example of System Configuration: Single-Axis Test Bench for EV Motors (20,000 rpm specification)

Supports 3/4-axis
test bench

Ultra High-Speed
36,000rpm

Supports Test Bench
for HEV/PHEV Inverter

Supports Ultra High-
Speed Gear Bench

Measurement, Control,
and Analysis with
simple and easy operations

Easy debugging with
Control Software

Supports Remote
control and Monitoring
from other devices

Cameras and Various monitors
can be connected and
supports synchronous data

This product is designed to perform performance and durability tests on EV/HEV onboard drive motors and E-Axles (a combination of motor, inverter, and gears).

With our original measurement, control, and analysis software & GUI, you can easily conduct various tests such as constant torque operation, constant speed operation, and tests according to driving patterns like WLTC. It allows real-time monitoring of images and data via a live camera, and remote monitoring is also possible through the TDAS monitoring system. Additionally, we offer a cost-effective B to B type test bench, adding to our extensive lineup.

1 axis Test Bench for EV Motor

TDAS-1202P



500kW 700Nm 20,000rpm

1200V DC-POWER

2 axis Test Bench for E-Axle

TDAS-2032P



350kW 3,500Nm

2,500rpm 1200V DC-POWER

Back to Back Test Bench for EV Motor

TDAS-1151D



150kW 310Nm

15,300rpm 1kV DC-POWER

The highest Speed 1 axis Test Bench for EV Motor

TDAS-1361P



200kW 250Nm

36,000rpm 1200V DC-POWER

The highest Speed 2 axis E-Axle Gear Bench

TDAS-2361P



入力 170kW 180Nm 30,000rpm

出力 180kW 3,850Nm 1,500rpm

Back to Back Test Bench for PHEV HEV Inverter

TDAS-2151P



150kW 310Nm

15,300rpm 1kV DC-POWER