

# The Latest, Quick Motor Evaluation

## Myway Plus Development of Specialized Equipment

Myway Plus Corporation (Yokohama-shi, President Osamu Hoshino), an expert in eco-car performance evaluation, has developed a quick test/evaluation equipment for highly efficient hybrid car (HV) motor. The equipment is targeted at Switch Reluctance (SR) motor testing and evaluation, which gives a reduction of 80% testing time. Many leading Japanese automobile companies have decided on this equipment.

The SR motor is different from the mainstream PM motor, the rotor does not use neodymium but electrically magnetized body. The simple structure and half price of PM motor equipment is highly anticipated in hybrid electric vehicle industry.

During operation of Myway Plus's SR motor evaluation equipment, torque and revolution measurements are performed automatically. It contains an electrical converter device, hence able to adjust the motor current to enable the motor to run efficiently.

The similar manual testing and evaluation takes about 3 weeks. With this new system, data collection is possible with 80% reduction of testing time. This system will greatly improve the efficiency of testing and evaluation for HV.

Motor is an important component, which accounts for nearly 10% of the HV cost. The cost-competitive SR motor evaluation equipment contributes by reducing the trouble of testing and evaluation, and hence a lower price of HV.

The 10kW testing and evaluation equipment cost about 30million yen. Myway Plus is targeting at the leading automobile companies in Japan.

*Nikkei Business Daily, July 25, 2013*