

## High-Performance Electric Motor Test Bench

### ECE R85

- Net Power Measurement
- Maximum 30 Minutes Power Test

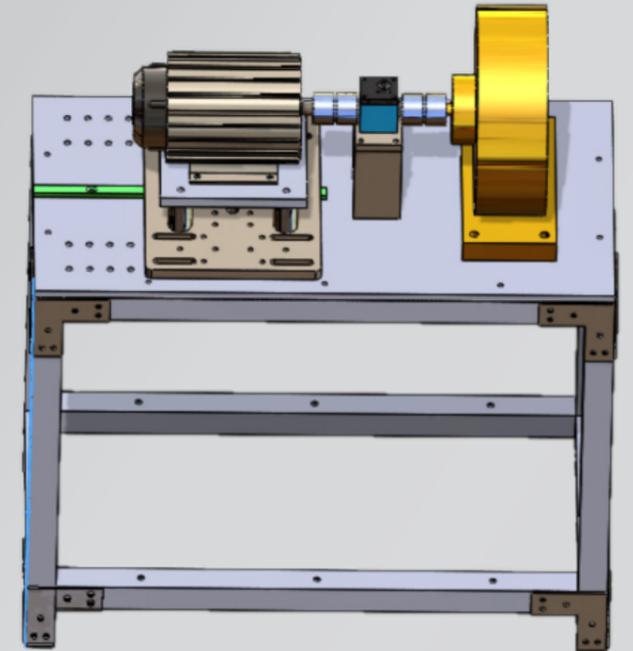
Fully compliant with mandatory test procedures, including the 5-minute peak power scan and the 30 minute maximum continuous power test.

### Dynamic Performance Mapping:

Real-time generation of torque-speed and power-speed curves as required for electric motor characterization.

### Integrated Thermal Management:

System includes an integrated chiller unit for the water-cooled Eddy Current Brake to ensure stabilized results during long-duration (30 min) tests.



**High-Speed Eddy Current Brake:** Precision water-cooled loading system capable of handling motors up to 16 kW and speeds up to 8,000 RPM

Industrial-grade torque sensing technology ensures laboratory-level accuracy in all power calculations.

**Autonomous Cycle Execution:** Pre-programmed R85 test sequences allow for fully autonomous execution, minimizing human error and ensuring 100% repeatability.

### Real-Time Data Analytics:

Proprietary C# application provides instantaneous visualization of critical parameters: RPM, Torque, Power, and Cooling Temperature.

