



The test bench is designed to test the working characteristics of PMG generator in the flight control system of C919 aircraft. The maximum test speed of the generator is about 24500 r/min, and the system adopts imported high speed and high precision motor to drive directly, which reduces the complexity of the system and greatly improves the maintainability.

The main functions of the system include:

- The output speed range is 0 ~ 24500 r/min continuously adjustable;
- Velocity change rate test;
- Speed regulation characteristic test;
- Steady speed adjustment accuracy test;
- Speed overshoot test;
- Dynamic recovery characteristic test;
- Positive and negative characteristics test;
- PMG test parts temperature, output voltage, main feeder voltage drop test;
- Torque loading function;
- The system has automatic cooling, active noise reduction, remote communication and other functions.