愛知電機

Automatic Test System for Load Characteristic of the Small Motors

As a step of the company's strategy for enhancing the efficiency of jobs, we have developed and installed "Automatic Test System for Load Characteristic of the Small Motors". This system has realized great savings on labor in the measurement of load characteristic of the small motors, which conventionally involved much time on the part of the engineering and quality control department. The automatic test system for load characteristic on the braiding coil motors has been utilized. This paper reports on its applicable range, system configuration, and the outline of its management.

This paper describes a Brushless DC motor incorporating a technique newly developed by our company and suggests the new trend in Brushless DC motors.

This motor is not just a simple permanent magnet motor but rather has a skeleton type single coil without sensor to detect rotor-position and has bidirectionality (reversibility). Much consideration has been expended to eliminate problems of starting torque and rotation towards the selected direction.

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