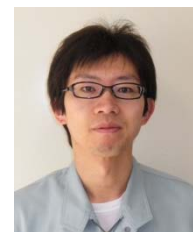


Vibration measurement of micro fan with fluctuation mechanism



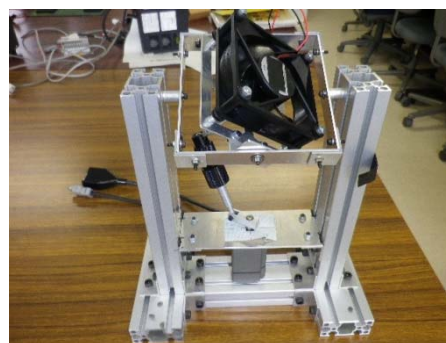
| | | | |
|---------------------------------|---|---------------|---------------------------|
| Name | HIDE TO Kimura | E-mail | kimura@tsuruoka-nct.ac.jp |
| Status | Technical staff | | |
| Affiliations | | | |
| Keywords | Vibration | | |
| Technical Support Skills | <ul style="list-style-type: none"> • Measurement of vibration • Trial manufacture with the machine tool | | |

Research Contents

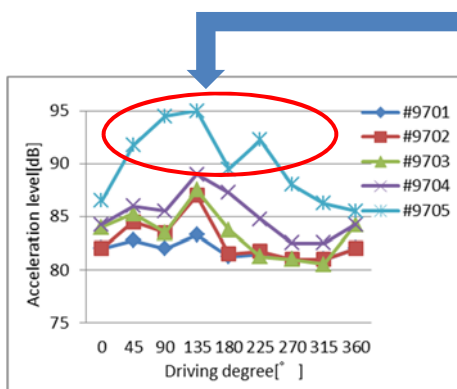
The micro fan motors are used by many electronics equipment for cooling. They are essential for present industry. But, micro fan motors have been checked by inspectors who have special skills which are based upon their auditory organs and tactual senses. It is not easy that inspectors will have mastered those skills. In addition, those skills are sometimes depend upon their mental and physical condition. Now, new evaluation and diagnosis method is needed. This study focused on the motion of inspector's handwork to develop a new diagnosis method of micro fan motors.

< measurement system >

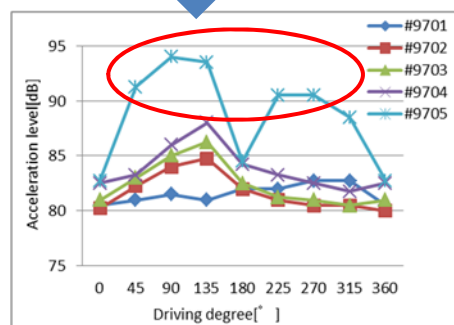
This system can change the posture of the fan with a period of uniformity



A change of the vibration becomes big



Inclining angle 30°



Inclining angle 45°

Available Facilities and Equipment

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