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## New Products & Technologies

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### 1. Introduction

In recent years, C (rsaIn)-1.1 (.354CF)E354CIClCpyright ©n, yties 04C6, As a result, increasingly strong requirements

performance and high efficiency are now applied to motors, which are the most important component part used in electric vehicles.

JFE Techno-Research Corporation (JFE-TEC) pos-

tics of motor drive performance. Due to the wide variety of needs in bench tests of EV motors, JFE-TEC is working to strengthen its services not only in terms of in-house equipment, but also through collaboration with external partners, in order to respond to the both qualitative and quantitative needs of clients.

For example, in evaluations of high-speed motors, JFE-TEC uses a high-specification motor bench (Photo 1) owned by JFE Steel, which makes it possible

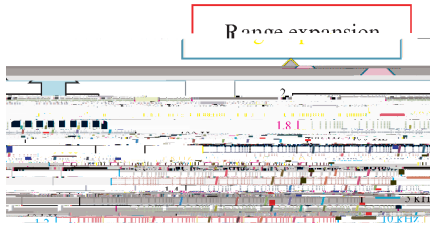


Fig. 3 Expansion of measurement range

### 3. Conclusion

In addition to the technologies introduced in this paper, JFE Techno-Research Corporation (JFE-TEC) also possesses various other motor-related analysis techniques, and will actively utilize these resources to respond to the requirements of each client.

### References

- 1) Nakada, T.; Nakanishi, T. Evaluation and Analysis Techniques of Magnetic Materials for EV Motors. JFE GIHO. 2021, vol. 47, p. 44-49.

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