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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 26167-2025

Replacing GB/T 26167-2010

Inspection method for electrical machine of special equipment

电机专用设备检测方法

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Working conditions requirements

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 26167-2010 "Test methods for motor-specific equipment".

In addition to the integration and editorial changes, the main technical changes are as follows.

- a) The "Scope" has been changed (see Chapter 1, Chapter 1 of the 2010 edition);
- b) Added the requirements for "working condition requirements" and "working condition testing" (see Chapter 4, 5.1);
- c) Added the requirements and methods for "appearance quality inspection" (see 5.4.3 and 5.4.4);
- d) The coating color inspection requirement in "Appearance Quality Inspection" has been deleted (see 4.4.3 of the 2010 edition);
- e) The "Noise Detection" requirement has been changed (see 5.6, 4.6 of the 2010 edition);
- f) Added the requirement of "processing accuracy test of main parts of notching machine" (see 6.1.1);
- g) Added the requirement of "assembly quality inspection of notching machines" (see 6.1.2);
- h) Changed the requirements for "assembly quality inspection of stator slot insulation insertion machines" (see 6.2.2, 5.2.2 of the 2010 edition);
- i) Changed the requirements for "Load operation performance test of stator slot insulation insertion machine" (see 6.2.4, 5.2.4 of the 2010 edition);
- j) Changed the requirements for "Assembly quality inspection of winding machines for small

motor stators" (see 6.3.2, 5.3.2 of the 2010 edition);

k) Changed the requirements for "Assembly quality inspection of small motor stator coil inserting machines" (see 6.4.2, 5.4.2 of the 2010 edition);

l) Changed the requirements for "Load operation performance test of small motor stator coil inserting machine" (see 6.4.4, 5.4.4 of the 2010 edition);

m) Changed the requirements for "Assembly quality inspection of small motor stator end shaping machines" (see 6.5.2, 5.5.2 of the 2010 edition);

n) Changed the requirements for "Load operation performance test of small motor stator end shaping machine" (see 6.5.4, 5.5.4 of the 2010 edition);

o) Changed the requirements for "Assembly quality inspection of small motor stator end binding machines" (see 6.6.2, 5.6.2 of the 2010 edition);

p) Added the testing requirements for "torsion welding machines" (see 6.7);

q) Added the testing requirements for "micromotor commutator finishing machine" (see 6.8);

r) Added the test requirements for "micromotor commutator engraving machine" (see 6.9);

s) Added the test requirements for "micromotor armature double-flying fork winding and embedding machine" (see 6.10).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the China Electrical Equipment Industry Association.

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This document was first published as GB/T 26167-2010 in 2010, and this is the first revision.

1 Scope

This document specifies general and specific test methods for motor-specific equipment.

This document is applicable to the slot punching machine, stator slot insulation inserting machine, small motor stator winding machine, small motor stator Wire embedding machine, small motor stator end shaping machine, small motor stator end binding machine, torsional welding machine, micro motor commutator finishing machine, micro Inspection of motor commutator engraving machine and micromotor armature double flying fork winding machine.

2 Normative references

GB/T 2900.39

GB/T 3785.1

3 Terms and Definitions

GB/T 2900.39, JB/T 5349, JB/T 7634, JB/T 10486, JB/T 10487, JB/T 11341, JB/T 11342, The terms and definitions defined in JB/T 12008, JB/T 12009 and JB/T 12262 apply to this document.

4 Working conditions requirements

Working conditions are as follows.

- Ambient temperature 5°C~40°C;
- Relative humidity of air is not more than 85% (temperature is 20°C±5°C), and there is no condensation;
- The power supply voltage fluctuation value should not exceed ±10% of the rated voltage;
- Altitude not exceeding 1000m.