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

YC/T 318.2-2009

**General technical standard for tobacco machinery overhaul.
Part 2: Electrical system
(English Translation)**

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Foreword

YC/T 318 "Tobacco Machinery General technical specifications overhaul" is divided into two parts.

--- Part 1. Mechanical;

--- Part 2. Electric.

This section YC/T Part 2 318.

This section of the Appendix A, Appendix B is an informative annex.

This part by the State Tobacco Monopoly Bureau.

This part of the National Technical Committee of Standardization Technical Committee on Tobacco Smoke (SAC/TC144/SC3) centralized.

This section is drafted. Tobacco Machinery Technology Center Co., Ltd., Xuchang Tobacco Machinery Co., Ltd.

1 Scope

YC/T of the provisions of section 318 of the electrical machinery and equipment tobacco during overhaul of the health, safety and environmental protection requirements, overhaul Machine, work processes, work requirements, design requirements, process requirements, acceptance criteria and test methods, marking, instructions, packaging, transportation and storage Deposit and installation, commissioning and acceptance and so on.

Electrical parts of this section applies to the entire line of tobacco machinery equipment, electronic control system unit (hereinafter referred to as "electronic control system") of the overhaul, the whole Overhaul may refer.

2 Normative references

The following documents contain provisions which, through YC/T reference in this 318 constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

YC/T 318.1-2009 tobacco machinery overhaul - General technical specification - Part 1. Mechanical

3 Terms and Definitions

Terms and definitions YC/T 318.1-2009 established applies YC/T in this part 318.

4 in the process of overhauling the health, safety and environmental protection requirements in the electronic control system overhaul process should comply with the following health, safety and environmental protection requirements.

a) do not allow live repair;

B) When the repair is greater than the safe voltage equipment shall be equipped with warning signs Beware of electrocution and power shut-off devices;

c) electrical control elements and components (such as PLC, inverter, soft start, contactors, motor protection switches, computer monitoring, network Network, HMI systems, etc.) decomposition, should be indoors and ensure that anti-static measures, in the antistatic workbench Specialized service personnel;

d) For personal contact frequently, the power supply voltage is greater than the safety extra-low voltage (PELV) and exposed live parts of components or parts, should be set up Set security isolation guard;

- e) use of the human body is corrosive, irritating cleansers should take protective measures;
- f) easily lead to environmental pollution and waste batteries and detergents, should focus on recycling, treatment;
- g) recycling discarded items quarantine site should not be open-air, small volume and leakage, and with a dedicated battery storage container;
- h) abandoned after assembly of cables, wires, should be removed from the electronic control system, does not allow abandoned cables, wires buried trunking or bridge, creating a safety hazard;
- i) shall ensure that the equipment protective earthing circuit grounded neutral wire complete no break, grounding circuit grounded to prevent physical and equipment damage;
- j) site installation and commissioning, should be conspicuous warning signs to alert someone is in working condition.

5 Overhaul timing

When the electronic control system has one of the following conditions, and repair items, the repair can not meet the requirements, should be overhauled.