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

HJ 2512-2012

Replacing HJ/T 302-2006

**Technical requirement for environmental labeling products.
Printers, Fax machines, Multifunction devices
(English Translation)**

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Foreword

To reduce the production and use of printers, fax machines and all-in-one products in order to implement the Environmental Protection Law of the People's Republic of China this standard is formulated to affect the environment and human health during the process and to protect the environment.

This standard applies to energy consumption, noise, toxic and hazardous substances, environmental design, and raw materials for printers, fax machines, and all-in-ones.

Requirements for production processes, recycling and reuse, and specifications.

This standard refers to the German Environmental Labeling Foundation (Basic Criteria for Award of the Environmental) Label Office Equipment with Printing (Printer, Copier, Multifunction) (Office Equipment with Printing) Function (Printers, Copiers, Multifunction Devices)) (RAL-UZ 122, 2009), and the Japan Environmental Association Environmental Labeling Agency "Eco-label type NO.122" "Printer Version2.2.2010" for "Environmental Label Product Certification Technology" the printer, fax machine and all-in-one machine (HJ/T 302-2006) was revised.

The main changes in this standard compared to HJ/T 302-2006 are as follows.

- Added definitions for printers, fax machines, etc.;
- Revised the requirements for environmental design;
- Revised the requirements for pollutant discharge;
- Revised the requirements for the use of toxic and hazardous substances;
- Revised the regulations for product energy consumption;
- Increased requirements for carbon dioxide emissions from products;
- Increased requirements for adapter energy consumption;
- Increased the requirements for double-sided printing devices;
- Increased requirements for consumables
- Revised the requirements for noise during the use of the product;
- Revised the standard appendix.

This standard applies to China Environmental Labeling Product Certification and China Environmental Labeling Low Carbon Product Certification.

This standard was formulated by the Science and Technology Standards Department of the Ministry of Environmental Protection.

This standard is mainly drafted by. China-Japan Friendship Environmental Protection Center, National Office Equipment and Consumables Quality Supervision and Inspection Center.

This standard was approved by the Ministry of Environmental Protection on March 30, 2012.

This standard has been implemented since June 1, 2012.

This standard is explained by the Ministry of Environmental Protection.

The previous versions of the standards replaced by this standard are.

--HBC 36-2005, HJ/T 302-2006.

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Environmental labeling products technical requirements printers, fax machines and all-in-ones

1 Scope of application

This standard specifies the terms and definitions, basic requirements, and technical requirements of printers, fax machines, and all-in-one environmental labeling products.

Capacity and test methods.

This standard applies to the normal operation of 220V, 50Hz power supply, standard format printers, fax machines and to print or pass A versatile machine that is essential for basic functions, including the use of stylus, inkjet, electrostatic imaging, thermal transfer, thermal, sublimation, solid A product such as a body spray wax.

2 Normative references

The contents of this standard refer to the terms in the following documents. For undated references, the valid version applies to this standard.

GB 20943 Single output AC-DC and AC-AC external power supply energy efficiency limit value and energy saving evaluation value GB 25956-2010 Energy efficiency limit value and energy efficiency rating of printers and fax machines GB/T 16288 logo for plastic products GB/T 16685-2008 Information technology - Measuring methods for the throughput of printing equipment - 1 GB/T 18313-2001 Measurement of airborne noise of acoustic information technology equipment and communication equipment GB/T 18455 packaging recycling mark GB/T 22372 monochrome black and white laser printer test version HJ/T 238 Environmental Labeling Product Technical Requirements Rechargeable Battery HJ 570-2010 Environmental Labeling Product Technical Requirements Toner Cartridge HJ 573-2010 Environmental Labeling Products Technical Requirements QB/T 2342 copy paper ISO/IEC 28360:2007 Determination of chemical emission rates in electronic equipment for office equipment

3 Terms and definitions

GB 25956-2010 and the following terms and definitions apply to this standard.

3.1 Printer printers

Receiving information from a computer interface, a web interface, or a digital device port, and outputting it to an image output device such as paper Ready.

3.2 Fax machine fax machines

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An image reproducing apparatus whose function is to transmit or receive graphic information. Such machines must be able to pass data from the original image.

The telecommunications network is transmitted to similar devices.

3.3 Multifunction devices

It comes standard with printing or faxing, and also has one or more functions for copying, scanning, printing, and faxing.

Ready.

3.6 Printing/Fax Speed Note 1, 2 printing/fax speed

The number of pages per minute of product printing/fax A4 size paper (single-sided black and white mode) in ppm. This standard uses nu.

Note 1: For continuous paper feed products and dot matrix printers, print/fax speed is taken (16x (maximum media width (unit. m) x maximum print speed (single Bit. m/min))).

Note 2: For products with only color printing/fax function, the print/fax speed is the speed in color single-sided mode.

3.7 Standard format standard format

Standard format refers to discontinuous paper feed products with a maximum media media width between 210.0mm and 356.0mm (eg A3, A4, B4, Letter paper, etc.), the continuous media feed product has a maximum media medium width between 210.0mm and 406.0mm.

3.8 Components units/component parts

It consists of two or more parts that are combined with each other by force or shape.

3.9 Protective parts defending/case parts

Protect the device from the external environment while preventing users from accessing moving parts, illuminated parts or high voltage parts component.

3.10 Recycled paper recycled paper

Refers to paper products made from a certain proportion of recycled pulp. This standard refers to the use of copy paper with a recycled pulp content of more than 30%.