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

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**Technical requirement for environmental labeling products.
Scanner
(English Translation)**

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Table of Contents

Foreword	
1 Scope of application	
2 Normative references	
3 Terms and definitions	
3.1 Scanner	
3.2 Sleep state sleep mode	
3.4 Standby mode standby mode	
3.5 Scan speed scan speed	
4 Basic requirements	
5 Technical content	
5.1 Product Environmental Protection Design Requirements	
5.2 Product production stage requirements	
5.3 Product energy requirements	
5.4 Product noise requirements	
5.5 Product Packaging Requirements	
5.6 Product recycling stage requirements	
5.7 Product Description Requirements	
6 Test methods	

Foreword

To implement the Environmental Protection Law of the People's Republic of China, reduce the impact of scanners on the environment and human health during production and use.

To protect the quality of the environment and protect human health, this standard has been formulated.

This standard applies to the environmental protection design, production stage, and use phase of the scanner, energy consumption and noise, recycling stage, packaging and use.

The instructions put forward the requirements.

This standard refers to the US Energy Star "Imaging Equipment "Energy Star" project requirements (version 1.1), the German Blue Angel "attachment Printed office equipment (RAL-UZ 122, 2008) and Taiwan environmental label TWECO88 and other standards, combined with China's production enterprises the status quo is being developed.

This standard is the first release.

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, China Cultural Office Equipment Manufacturing Industry Association, Beijing Green Business Culture Development Center, Shandong New Beiyang Information Technology Co., Ltd., Ke Electronic (Shanghai) Co., Ltd., Nanyang Shoukong Optoelectronics Co., Ltd., Avenue Computer Technology (Shanghai) Co., Ltd.

This standard was approved by the Ministry of Environmental Protection on July 3, 2012.

This standard has been implemented since October 1, 2012.

This standard is explained by the Ministry of Environmental Protection.

Environmental Labeling Product Technical Requirements Scanner

1 Scope of application

This standard specifies the terms and definitions, basic requirements, technical content and testing methods of scanner-based environmental labeling products.

This standard applies to all types of scanners.

This standard does not apply to other devices that have a scanning function.

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 4943 Security of information technology equipment GB 9254 Radio disturbance limits and methods of measurement for information technology equipment GB 17625.1 Electromagnetic compatibility limit harmonic current emission limit (device input current per phase $\leq 16A$) GB/T 16288 logo for plastic products GB/T 18313-2001 Measurement of airborne noise of acoustic information technology equipment and communication equipment GB/T 18455 packaging recycling mark GB/T 26572 Limit requirements for restricted substances in electrical and electronic products HJ/T 238 Environmental Labeling Product Technical Requirements Rechargeable Battery HJ/T 239 Environmental Labeling Product Technical Requirements Dry Battery JB/T 6872 Developer (Toner) Consumption Test Version A4 for Electrostatic Copier

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1 Scanner

A digital device for acquiring an image signal, wherein the acquired image file can be edited and stored by a computer or the like, or Display or print through the relevant output device.

3.2 Sleep state sleep mode

After the product has stopped running for a period of time, it automatically enters a state of low energy consumption without shutting down.

3.3 The default time to enter sleep state default time to sleep mode the time when the product preset by the manufacturer enters the sleep state after completing the basic function.

3.4 Standby mode standby mode

The product is connected to the grid with the lowest power state.

Note 1: This state can last for an infinite amount of time, and the user cannot change the power of the product in this state.

3.5 Scan speed scan speed

The number of originals scanned per unit time. The unit uses the number of pages scanned per minute (PPM). This standard is indicated by the letter V.

4 Basic requirements

4.1

Product quality should meet the requirements of the corresponding product quality standards; product safety performance should meet the requirements of GB 4943;

Capacity should meet the requirements of GB 9254 and GB 17625.1.

4.2

Pollutant emissions from product manufacturing enterprises shall comply with national or local standards for pollutant discharge.

4.3

Product manufacturers should strengthen clean production in the production process.

5.1.1 Easy to disassemble design

The product should be detachable.

5.1.2 Easy to recycle design

5.1.2.1

Plastic parts with a mass exceeding 25g or a planar surface area exceeding 200mm² shall use a single type of polymer or blended poly the compound is labeled according to the requirements of GB/T 16288.

5.1.2.2

The type of polymer, copolymer or polymerization mixture used in the product shall not exceed 4 and is easily decomposed.

5.1.2.3

Plastic parts may be dismantled without damaging the original parts and shall not contain metal objects that cannot be separated from the plastic.

5.1.3 Requirements for hazardous substances in parts and components

5.1.3.1

In the outer casing and frame parts, except for the plastic parts adjacent to the heating and imaging components, chlorine and impurities shall not be used in the plastic parts.

For bromine polymers, flame retardants containing organochlorine compounds and organic bromine compounds should not be added.

5.1.3.2

The phthalates listed in Appendix A shall not be added as plasticizers to plastic parts with a mass greater than 25g.

5.1.3.3

The content of short-chained chlorinated paraffins (SCCPs) in plastic parts shall not exceed 0.1% (mass fraction) of the total number of plastic parts.

5.1.3.4

Tributyltin (TBT) and triphenyltin (TPT) shall not be used in the product parts.

5.1.3.5

Lead glass shall not be used as a formulation component of lead (Pb) and its compounds.

5.1.3.6

The rechargeable battery that comes with the product should meet the requirements of