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**YC**

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

**YC/T 425-2011**

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**Determination of dimensions of paper for cigarette product.  
Non-contact optical method  
(English Translation)**

**Issued on: December 26, 2011**

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**Issued by: State Tobacco Monopoly Administration**

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### Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard was proposed by the State Tobacco Monopoly Bureau.

This standard by the National Standardization Technical Committee of tobacco smokable material Technical Committee (SAC/TC144/SC8) centralized.

This standard was drafted. National Tobacco Quality Supervision and Inspection Center, Chinese Academy of Sciences, Anhui Institute of Optics and Fine Mechanics, Chinese tobacco mark Associate Research Center, Guangdong Tobacco Quality Supervision and Inspection Station of Anhui Tobacco Quality Supervision and Inspection Station, Yunnan Tobacco Quality Supervision and Inspection Station, Tobacco Quality Supervision and Inspection Station in Shanghai, China Tobacco Shandong Industrial Co., Ltd., Henan Tobacco Quality Supervision and Inspection Station, Hubei tobacco industry limited liability company.

### Introduction

The standard release mechanism to draw attention to the fact that, when a statement of compliance with this standard may be used involving 5.1,5.2,5.3,5.4,5.5, 7.2,7.3,7.4,7.5,7.6,8 concerning cigarette tipping paper hole line width, line spacing hole edge width measuring device related patents.

The standard release mechanism for the patent scope, validity and verification of data is not made any comments.

The patent holder has to ensure that the issuing authority of this standard, he would with any applicant under reasonable and non-discriminatory terms and conditions, the License negotiations. In this regard, the patent holder's statement has been filed in the present standard of the issuing authority. Relevant information can be Obtained from the following

address.

Patent Number. ZL200910144114.2.

Patentee. Anhui Institute of Optics and Fine Mechanics, China Tobacco Corporation, Zhengzhou Tobacco Research Institute, Hefei Will OPTICAL Technology Co., Ltd.

Address. 350 Lake Road, Hefei, Anhui Shushan.

Please note that in addition to the already identified patents, some of the content of this standard may involve patents. The standard release mechanism should Bear the responsibility to identify these patents.

Cigarette paper size non-contact optical measurement method

## 1 Scope

This standard specifies the method for determination of cigarette paper sizes --- non-contact optical method.

This standard applies to cigarette paper, cigarette tipping paper, filter plug wrap paper, paper Seals and the width is not more than 160mm of cigarette Backing Paper, Vol.

Determination of smoke cigarette wrapping paper printed paper width (capsule) and the like, perforated tipping paper bore (hole line) width, with a hole (perforation line) measured from the edge width Fixed, perforated tipping paper circular hole or aperture measuring approximately circular hole.

## 2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Adopted GB/T 450 samples of paper and cardboard Standard atmospheric conditions GB/T 10739 paper, paperboard and pulp sample processing and testing GB/T 12655 Cigarette Paper YC 171 cigarette tipping paper YC/T 208 filter plug wrap paper YC 264 cigarette Backing Paper YC/T 330 boxes of cigarettes and wrapping paper printed matter

## 3 Terms and Definitions

The following terms and definitions apply to this document.

Perforated tipping paper Playing with small holes using tipping paper laser drilling or EDM drilling and other methods.

[YC/T 195-2005, terms and definitions 3.1.6] Principle 4 Sample image obtained by the optical imaging method using the image processing algorithm identifies the image of the

object by measuring the precise positioning system project Standard material coordinates, calculate the target size.

## **5 Equipment**

Determination of smoke non-contact optical method using paper size instrument shall meet the following conditions.

a) an illumination system. having an optical system capable of generating parallel light (see FIG. 1), after the use of the backlight illumination field illumination.