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

YC/T 235.1-2007

**General tolerances. Part 1: Conspectus
(English Translation)**

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Foreword

YC/T 235 "general tolerance" is divided into five parts.

- Part 1. Introduction;
- Part 2. cutting pieces;
- Part 3. stamping parts;
- Part 4. weldment;
- Part 5. made of plastic semi-finished products made of plastic parts.

This section YC/T 235 - Part 1.

The partial modification of Germany HAUNI corporate standards NK1220-1.2001 "General tolerances --- Overview" (in German).

According to this part of Germany HAUNI corporate standards NK1220-1.2001 redrafted. This section lists the chapter in Appendix A Article number and NK1220-1.2001 reg control list numbered.

Taking into account China's national conditions, the use NK1220-1.2001 when this part made some changes. About the technical differences have been incorporated into the text in which they are involved and the terms of the margin of a single vertical line identification. These technical differences are given in Appendix B and its prime Because the list for reference.

To comply with China's national conditions and ease of use, for NK1220-1.2001, this section also made the following editorial changes.

- a) Delete as "the expression of this standard for reference only, without negative change of

responsibility", "Note. instead of December 6, 1999 edition", etc.

Explanatory statement;

b) The Chapter 1, "Description" content (that is, the standard structure of information) to the beginning of this section of the preface;

c) "NK1220-1" to "YC/T 235.1".

This part of the Annex A, Annex B and Annex C is informative appendix.

This part by the State Tobacco Monopoly Bureau.

This part of the National Standardization Technical Committee on Tobacco (TC144) centralized.

This section is drafted. Tobacco Machinery Technology Center LLC.

1 Scope

This section YC/T 235 provides for the use of general purpose tolerances applicable Not applicable scope and use of principles and general tolerances.

This section applies to the general tolerance of tobacco machinery parts design, manufacture, inspection, rejection and arbitration.

2 Purpose

The purpose of the general tolerance is.

--- Omitted pattern dimension;

--- According to the general tolerances specified requirements, set common workshop accuracy, thereby selecting economical processing methods.

3.1 Design

In the design of mechanical parts and components.

--- Choose This standard specifies the accuracy requirements, the label may be omitted in the drawing in the general tolerance;

--- Such as requiring or permitting higher precision and lower tolerance generally more economical than the accuracy requirements specified in this standard function, its phase the accuracy requirements shall be marked or described on drawings, such as. "GB/T 1804-f", "GB/T 1184-L";

--- When using other parts tolerance standard (see Appendix C), the tolerance should be other criteria specified in the pattern of labeling or description, such as. "casting dimensional tolerances according to GB/T 6414-TC12", "stamping did not note the size limit

deviation tolerance Press GB/T 15055-m "and so on.

3.2 Manufacturing

The manufacture of parts and components, general tolerances shall comply with the provisions of this section.

3.3 Test, and rejected arbitration

3.3.1

General tolerances are not normally test.

Parts functional elements 3.3.2 General tolerances required of tolerance is often greater than the general tolerance, so when the workpiece general tolerances any elements beyond element components (occasionally exceed) the general tolerance, the function of the part normally not be compromised, should not be routinely refuse Income. Only when the function of damaged parts, beyond the normal tolerances of the workpiece to be rejected.

3.3.3

When the general quality of the components tolerances involved in a dispute to arbitration pursuant to a general tolerance.

4 Application and general tolerance range NA

4.1

Scope general tolerances, for example.

- Linear dimensions, such as outside dimensions, inside dimensions, the step size, diameter, radius, distance, rounding radius and chamfer height;
 - Angular dimensions, including the dimension angle values both angular dimensions, including not usually marked angle value of angular dimensions, such as right angle (90 °);
 - Size (such as tables figure dimension values);
- Linear and angular dimensions --- machined assemblies;
- Shape and position of geometric elements.

4.2

General tolerance range does not apply, for example.