

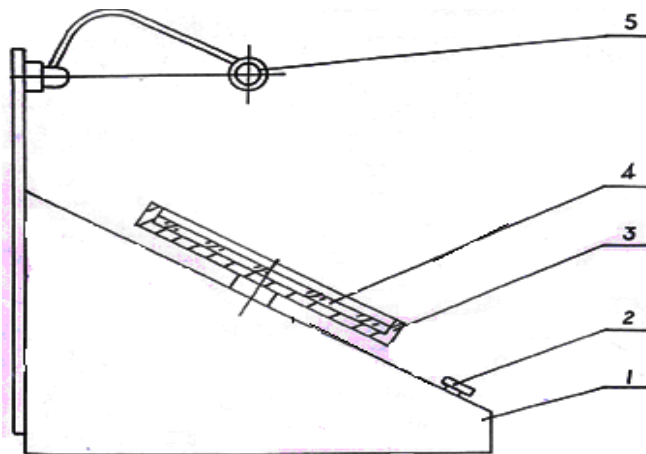
SKZ116 Paper Dust Tester



The tester is applied to test the dust of paper and cardboard. The parameters and performance conform to the standard of GB/T1541-1989 (Tappi T 437 om-1985)

Technical parameters:

1. Light source: 20W fluorescent lamp.
2. Irradiation degrees: 60°
3. Working platform: efficient area 0.0625 m², rotating 360°
4. Standard dust image: 0.05-5.0(mm²)
5. Dimension: 750×350×500 (mm)
6. Weight: 12.5 kg



Structural Representation

- 1. Stator frame 2. switch 3. Swivel work head
4. Plastic base 5. Fluorescent lamp**

Computation expression as followings:

$$\text{Dust degree: } N_D(\text{No./m}^2) = \frac{M}{n} \times 16 \dots\dots\dots(1)$$

M---the total dust numbers of all specimen's in both sides

n----the number of pieces of specimen

notice: (1) If the same dust penetrates through the paper and can be seen from both sides, should be counted as two.

(2) Use 5 m² specimen to check large dust and black dust.

2. To express the dust in square millimeter of each square meter, use computation expression (2), calculation adopt one decimal fraction.

$$\text{Dust degree: } S_D(\text{mm}^2/\text{m}^2) = \frac{\sum a_x \cdot b_x}{n} \times 16 \dots\dots\dots (2)$$

a_x ---- number of a certain dust area

b_x---- a certain dust area, mm²

n---- the number of pieces of specimen.