

**Application**

COBB-01 COBB Tester is used for assessing the water absorption of paper and paperboard through the Cobb method. It proves effective in sizing paper and determining water absorption on cardboard surfaces, but it is not recommended for use on basic paper or embossed paper with a basis weight below 50g/m², having low sizing degree, or exhibiting numerous pinholes. Additionally, it is not suitable for assessing unsized paper and cardboard accurately, nor does it provide an accurate evaluation of the writing performance of paper or cardboard.

The Cobb tester evaluates the water absorption capability of paper or cardboard surfaces. The Cobb value represents, under specific conditions and within a specified timeframe, the mass of water absorbed by the carton board surface per unit area, expressed in grams per square meter (g/m²).

The total recommended test time by international standards for the removal of excess water and the execution of water absorption is as follows:

Recommend time (S)	Mark	Time of remove excess water (S)	Time to finish absorbing water (S)
30	cobb30	20±1	30±1
60	cobb60	45±1	60±2
120	cobb120	105±2	120±2
300	cobb300	285±2	300±2
1800	cobb1800	1755 ~ 1815	After remove excess water 15±2

COBB Value

Cobb value is the calculated mass of water absorbed in a specified time by 1 m² of paper or board under specified conditions

Benefits

- Stainless steel made
- Standard conformed metal roller

Standards

GB/T1540, ISO 535, QB/T1668, TAPPI T441

Main Parameters

Sampling Diameter	Ø125mm
Sampling error	±0.2mm
Sampling Thickness	(0.1 ~ 2.0) mm
Dimension	(250*280*450) mm LWH

COBB Sample Cutter Specification(optional)

Test Area	100±0.2cm ²
Water Consumption	100±5ml
Metal Roller Width	200±0.5mm
Metal Roller Weight	10±0.5kg
Dimension	(396*315*300)mm LWH



The Company reserves the right to update, modify, or amend this Catalog without prior notice.

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