

**LAB AIR KNIFE COATER**  
**CATALOGUE NO.: GEC-P40703**

**Lab Air Knife Coater** is designed for uniform coating of the coating medium on to the test specimen. It is intended to coat the sample sheet materials in 10" X 12" size. It is suitable for coating of latex, ink, lacquer and plastic dispersions etc. It is an important aid in screening work, when papers, pigment coating and plastic dispersions are tested in the lab.

The Coater consists of a welded square shaped frame. Frame consists a transformer, blower with a manometer.



**TEST DESCRIPTION:**

A sample of standard size fixed on the top of the movable steel plate, The amount of air that regulates the coating weight is adjusted by the regulating transformer and the coating dispersion or pigment formula is poured close the air knife across the paper. A uniform coating on the sample is formed with the help of forced air.

**APPLICABLE STANDARDS:**

**TAPPI, SCAN, ISO**

**Salient Features:**

- Height of the Air Knife above the test specimen and its angle in relation to the test specimen are adjustable.
- Air-knife design of the coater guarantees uniform coating of the coating medium.
- Air pressure is set by means of a control knob and is readily indicated on the built in pressure gauge.
- The table is driven by a reversible direct current electric motor.
- Air gap is adjustable by the opening of the slits with the screws along the length of the air knife.

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**Global Engineering Corporation**

82, Ganga Sagar Scheme, 200 Feet Bypass,  
Sirsi Road, Jaipur-302021

Tel: +91-141-5179040, 2470290, Fax: +91-141-5179040

**Email: [sales@gecpaper.com](mailto:sales@gecpaper.com)**

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