

PRINT SURFACE ROUGHNESS/SMOOTHNESS TESTER

CATALOGUE NO.: GEC-P40120

Print Surface Roughness/Smoothness Tester measure the roughness / smoothness as per the condition apply in the printing press nip at the moment of printing, by clamping the sample between a precise measuring head and a specially backing assembly with variable clamping pressure.

Roughness/Smoothness of a sheet of paper or board is a function of the rate at which air will pass between specified flat land and sheet of the paper or board tested under specified conditions. The property is termed roughness/smoothness if increasing numerical value indicates increasing roughness/smoothness.

The roughness/smoothness of the sample is calculated in micrometers on calibrated air flow meters (Rotameters).

APPLICATIONS:

Used for writing / printing paper, newsprint, coated paper and other similar grade of paper

APPLICABLE STANDARDS :

ISO 8791-02,ISO 8791-3

ADVANTAGES:

Surface roughness is very much interest for good printing results. The layer of ink must be thicker than the roughness to give a good and glossy print. The amount of ink used is not only a cost but also influence the drying time and thus the risk is set off. With more ink there is also bigger risk for print through problems. When lamming paper with metal foil or with plastic film, the overall results depends very much on the surface roughness of the base paper used.



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