

# Pinhole Tester for Aluminium Foil



## Product Info :

Pinhole tester, popularly known as the light box or the light table is a quality testing machine that is used in inspecting the quality of aluminium foils specifically that are used in pharmaceutical companies. The tester emits standardised lights in a way that the pinholes or micro-sized leaks in the foil are visible to the manufacturer and hence can deliver quality and secure pharma packaging. Aluminium foils are prominently being used in the pharmaceutical industries to secure chemical-based drugs. They are used as high barrier packaging for industrial and food applications as well. They are used for packaging tablets, capsules and much more. The reason why aluminium foils are taken upon other materials for packaging of drugs is the superior barrier properties, it delivers. These strong barrier properties help keep the drugs in perfect condition for a longer period of time.

Pinholes or micro-sized leaks are a very common quality drawback that can be seen in foils used for pharma packaging. The pinholes are produced due to the production process the foils undergo. Aluminium foil is drawn from various types of processes that include a rolling procedure where the thickness of the foil material is thinned by exerting compression load with rolls. The pressure exerted sometimes may develop holes in thinner sheets. Additional to this, the quantity and size of a pinhole depend on the filtration of inorganic chemicals from the molten aluminium, the casting procedure and the rolling conditions provided like the type of lubricant used and lubricant filtration quality. Foils containing pinholes allow moisture and oxygen from the environment to enter inside the package leading to the degradation and contamination of the contents packed inside.

## TECHNICAL DATA :

- Model Type: Table Top Model and Portable
- Test Platform Material: High Grade Glass
- Light Equipped: High intensity Diffused LED Light
- Counter: Digital Nature Manually Operated
- Power Requirement: 230 Volts AC
- Illumination Test Area: 10 x 10 Inches
- Battery Life: 5 Years

## FEATURES :

- Equipped with a high-quality Glass test platform that allows smooth sliding of material during the test.
- Have a high intensity diffused LED light that illuminates to the maximum for greater visibility.
- The chamber has a Blackout Hood that prevents surrounding light from entering inside the chamber during test delivering higher accuracy.
- Equipped with a digital counter that is manually operated for faster calculation of pinholes.
- Provides a wide Illuminated area to test various lengths of foil at one time.

## Our Valuable Customer



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