

Magnascopes Industrial Self-Illuminated Inspection Systems

DESCRIPTION

Magnascope consists of a circular solid frame having circular magnifying lens of 120mm diameter. The lens magnification is 2.5X. The lens is free from chromatic aberrations.

Flexible arms, controlled by rugged springs, hold the circular frame and the lens. The position of the lens can be fixed up at any desired placement.

Uniform illumination of the field of view and the object are attained through a circular, rugged and elegant Japanese Fluorescent Lamp. The illumination is having a cool and soft effect on human eyes during continuous and long observations. This eliminates the fatigue in human eyes during investigation.

FEATURES

- Stereoamic magnifier
- Shadowless strain free illumination
- Fatigue free-vision
- Flexible arms
- 22W Cool Light
- Facility of translucent objects inspection (in 7009)
- Impressive ergonomoy



7009
Deluxe

7009 (Table Top)

Unique feature of Vaiseshika Magnascope 7009 is its base. It is provided with white perspex sheet top which is internally illuminated. This feature is useful for inspection of translucent objects like films in transmitted light and printed circuit boards.



7011
Travelling

7011 (Portable on Wheels)

It is a travelling model and provides protability to magnascope, on wheels, at the shop floor. Instrument stands on highly stable base having 4 arms with wheels at equal distance.

TECHNICAL SPECIFICATION (7009, 7010 & 7011)

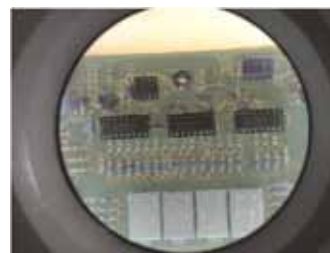
Magnification of the system	: 2.5 X and 5 X
Field size	: 113 Sq.cm.
Free working distance	: 120 mm
Field size (at 5X)	: 33.15 Sq. cm.
Free working distance (at 5X)	: 70 mm
Finish	: Durable Powder paint and chrome plating.



7010
Versatile

7010 (Vice Base)

In this model the vice base with clamping facility is provided as shown in the diagram. This model is ideally suited for clamping the entire Magnascope on the edge of the working table of the technician or quality control engineer. The clamping arrangement has a clearance gap of 90mm maximum travel and is made of rugged construction.



Electronic components on a
PCB as seen under the
lens of Magnascope

APPLICATIONS

Useful in examination of :

- PTH quality of PCB's
- Gears and burrs
- Moulds
- Superficial Cracks inspection
- Components mounting & Solder joints in wired circuits
- PCB Wiring

NOTE :

The magnification of 5X is attained by using an auxillary lens of 2X in conjunction with the principal lens of 2.5X

The 5X magnification can be obtained in all the three models 7009, 7010 and 7011.