



[MIB-50]
MANUAL INSPECTION BOOTH
Compact Table-Top Referee Level Inspection Environment



**PROVIDES
LONGTERM
USE!**

DESCRIPTION

Phoenix Imaging's MIB-50™ Manual Inspection Booth features our new light booth design, providing a uniform lighting environment in a compact size. The design implements our patented parallel lighting technology that provides a large volume of uniform illumination for the inspection of a wide range of products. The same features that made our MIB-100™ so popular have been incorporated into a system that can sit on your desktop.

The design allows the user to change the intensity of the illumination electronically (potentiometer on

the front of enclosure) or by physically altering the optical path length from the lamps to the center of the inspection volume. The intensity can be adjusted from 2000 to 7500 Lux (200 to 700 ft-cd). The inspection volume is an impressive 8 Liters (~500 cubic inches). The illumination system implements a pair of state-of-the-art power supplies that drive very efficient biax lamps at >50 KHz for flicker-free observation. The power supplies incorporate active feedback circuits that monitor the lamp output to maintain virtually constant flux over the life of the lamps. When the lamps degrade to the point where the

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preset illumination conditions can no longer be met, the operator interface will display a message. The customer can specify a number of lamp temperatures when ordering, the most common are 5000K and 6700K.

The user can select either the standard Black/White background or the optional 18% Graycard background for the inspection. The background cards can be easily exchanged or replaced if they become dirty or damaged. There is a nominal charge for replacement background cards.

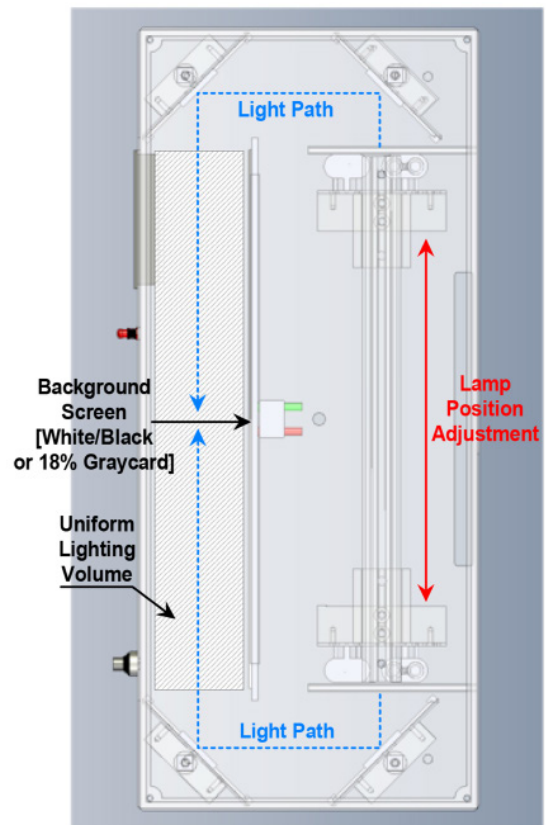
ADVANCED FEATURES

Rendering of the MIB-50™ Manual Inspection Booth. The MIB-50™ offers a great deal of functionality at a cost effective price. The system is heavy duty 14-gauge steel painted Artic White, and will provide years of service. The lamps can be easily replaced by removing the background card to expose the lamp holding fixtures.

The MIB-50™ uses a PLC pacer to ensure that inspection times are consistent. The operator interface allows the user to perform indexed or continuous inspection. Our Manual inspection Booth follows the current recommendations of the Illumination Engineering Society, operating with 550 foot-candles in the light intensity stabilized inspection volume (NOTE: This illumination intensity is in the range recommended for critical inspections for long periods). The particular value has been selected to provide separation between sub-visible and visible contaminating particle measurements. This higher intensity also minimizes the effect of the reduction in contrast sensitivity that accompanies the aging process. The operator interface permits the user to change the duration of inspections and the time delays between inspections. The system can also be used to count the number of Good and Bad containers for reconciliation of batch samples.

SPECIFICATIONS

- **Power supply:** 115 VAC (60 Hz) NA or 200-230 VAC (50 Hz) EU (+/-10%), must specify voltage at time of order.
- **Power Consumption:** ~470 Watts
- **Easy Lamp Replacement** with documented initial lamp output values.
- **Operating Humidity:** 35-85% RH,
- **Operating Temperature:** 0 to 40 degrees C
- **Dimension & Weight:** (Main Unit) 32.0" W x 14" D x 32.2" H, 155 lbs.
- **Optional Foot Switch** is attached with an umbilical cable to main enclosure, 6 ft. cable, 2 position, heavy duty, 8 lbs.
- **Standard MIB-50 Configuration** (White/Black background)
- **Revision MIB-2013-2.3.6**



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