

BLACKLIGHTS

UV LIGHTS

Magnaflux designs our UV lights to meet standard specifications first and foremost. Nevertheless we do work for operator comfort. Magnaflux formulates and manufactures the materials to fluoresce at peak intensity of 365 nanometers. In turn we take care to design our lights to have peak output at the same 365 nanometers while filtering out the nonconforming light.

ZB-100F HAND-HELD, FAN-COOLED BLACK LIGHT

ZB-100F Features

- 100 Watt reflective light source
- Fan cooled, cool to the touch
- Cooler running means longer bulb life
- 4000+ Microwatts/Centimeter Squared @ 15"
- White Light Emission, less then 1 foot candle @ 15"
- Weight of hand Held Light Only 3 Lbs (1.4 kg)
- 15 foot (4.6 m) cord from Lamp to Transformer
- 12 foot (3.7m) cord from Transformer to Supply end
- Ground Fault Circuit Interrupt protection (110/115V only)
- Available voltages: 110v/50 Hz, 115v/60Hz, 220v/50Hz, 230v/60 Hz



ZB-100 F MB—MAG SHOT BLACK LIGHT

All the Features of the ZB-100F PLUS a button conveniently located in the handle, this button is ready to integrate into any of our standard MPI units to trigger the magnetizing current. Or, we can assist you in integrating the new black light into existing equipment. The black light can start rinse cycles on Zyglo Systems, act as a remote trigger on power packs, used to activate touch up developer or to prompt a parts counter. The possibilities are only limited by the user.

ZB-150 FSB SELF-BALLASTED BLACK LIGHT

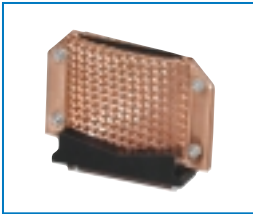
ZB-150 FSB Features

- 150 Watt, self ballasted, reflective light source
- Fan cooled, cool to the touch
- Cooler running means longer bulb life
- 4000+ Microwatts/Centimeter Squared @ 15"
- White Light Emission, less then 1 foot candle @ 15"

- Weight of Hand Held Light Only 4 Lbs (1.9 kg)
 - 12 foot (4.6 m) cord from Lamp to plug
 - Ground Fault Circuit Interrupt protection
 - Available voltages: 115v/60Hz
- Uses 150w Self-Ballasted Replacement Bulb



MAGNETIC PARTICLE ACCESSORIES



#18948 BRAIDED PAD WITH V-BLOCK

- Heavy copper braid over neoprene base
- Molded-in V-block centers and supports test parts
- Flexibility provides contact over greater surface area and helps to protect parts from arcing
- Reversible—two wear faces



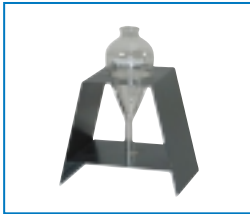
#519296 SELF BALLAST REPLACEMENT BULB

- 150W Built-in ballast bulb
- Replacement bulb for our NEW ZB-150F SB



#159999 TEST RING WITH CERTIFICATION

- Drilled holes simulate subsurface discontinuities
- Form surface indications at various magnetizing current levels
- Meets ASTM E 1444 requirements
- Certified to AS 5282

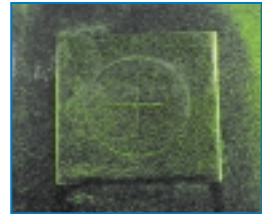


#8493 CENTRIFUGE TUBE

- 100 ml, 0–1.0 ml in 0.05 increments
- For use with #14A, #14AM and #20B MAGNAGLO fluorescent materials

#1837A CENTRIFUGE TUBE STAND

- Safely holds centrifuge tubes when mixing bath concentrations



#519630 QQI (Quantitative Quality Indicators)

- QQI (Quantitative Quality Indicators) are Magnetic Particle Test Pieces with Artificial Defects

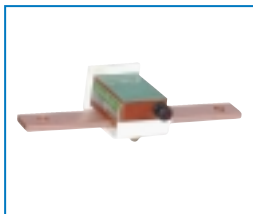


#105645 CALIBRATED FIELD INDICATOR, 20 GAUSSSES

- Accurate to ± 0.5 gauss. Scale range of 20-0-20

#505056 CALIBRATED FIELD INDICATOR, 10 GAUSSSES

- Accurate to ± 0.5 gauss. Scale range of 10-0-10



#148335 QUICK BREAK TESTER

- Quickly and accurately confirms function status of "quick break" circuitry in 3-PH FWDC Magnetic Particle Units



#507320 MEDIUM BASE BULB, 100 WATT

- 100 watt Spotlight bulb, replacement for ZB-100 and ZB-100F models and all other MAGNAFLUX 100 watt lamps made after May 1982



#519227 SMOOTH FILTER GLASS

- For use with ZB-100 and ZB-100F models and all other 100 watt lamps



#506249 UV ABSORBING SPECTACLES

- Reduces eye fatigue from exposure to UV light emission

MAGNETIC PARTICLE MATERIALS

MATERIAL CONSIDERATIONS: WATER BATH VERSUS OIL BATH

Advantages to Oil Bath

- Stable concentration since evaporation is negligible
- Essentially no electrical conductivity
- Excellent wetting
- No detrimental foaming
- Capable of some rust inhibition of processed parts
- Simple bath maintenance

Advantages to Water Bath

- Low Cost (includes water conditioner)
- Nonflammable
- No exhaust required
- Odorless
- More rapid forming of indications
- Faster settling test
- Less effect on skin than oil bath

OIL BATH ONLY



CARRIER II OIL VEHICLE

55 gallon or 20 gallon drum, *for oil bath only*

OIL & WATER BATHS



14A WET METHOD MAGNETIC PARTICLES

Six 1 lb. bottles, *for oil or water baths*

WATER BATH ONLY



14A REDI-BATH

Six 27 oz. bottles, *for water bath only*