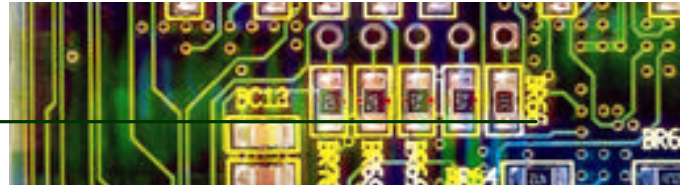


VTI Trident Stereo Zoom Inspection Microscopes



Applications

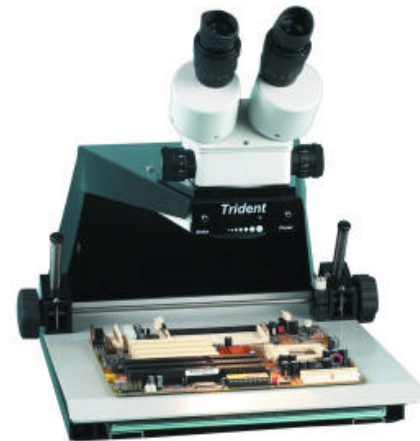
The new Trident is an innovative high resolution stereo zoom inspection microscope designed for a wide range of professional and industrial applications. Precision optics offer unlimited zoom magnifications from 6.5x through 45x and up to 225x with the optional lenses and eyepieces.

Overview

The revolutionary 3 Dimensional X-Y-Z Positioning Table adds the ability to reposition specimens vertically allowing the user to freely move up and down through different layers without refocusing or repositioning the user's head. The operator can reposition the specimen in 3 dimensions while holding onto a single control knob. Unlike conventional inspection microscopes that only offer stages designed for small specimens, the Trident is designed to handle a wide variety of large circuit boards and other specimens. A convenient button allows the user to lock the table in position when desired.

See what you've been missing with a traditional microscope that limits you to a straight down view. Trident sets a new industry standard for microscope inspection by offering an optional **Oblique Angle Viewer**. Now in addition to the traditional straight down view, Trident owners can view an Object at an angle from the side at any point 360 degrees around an object.

The standard model features variable halogen illumination. A trinocular head model is available to provide a variety of options for photography and video image capture. With its various options, superior zoom optics, and broad field of view, the VTI Trident is an excellent choice for the most demanding inspection environments.



Highlights

- **Large Format 3 Dimensional Positioning Table**
- **Optional Oblique Angle Viewer for 360 degree Side Angle View of Objects**
- **Precision Optics Provide Stereo Zoom Magnification from 6X - 45X**
- **Trinocular Version Available for Video and Photographic Imaging**
- **Built-in Variable Halogen Illumination**
- **Single Switch Table Lock Mechanism**
- **Interpupillary adjustment for distance between eyes**
- **Optional 15X, 20X and 25X eyepieces are available**
- **Optional 1/2X Lens Will Double Field of View**
- **Variable Halogen Light:: 12v 20w**
- **Users Manual, Super Protective Fitted Foam Packaging**

Limited 1 Year Warranty

BC Group International, Inc.
9415 Gentry Avenue
St. Louis, MO 63125 USA
314-638-3800
314-638-3200 Fax
1-888-223-6763



www.bcgrouppintl.com

Specifications

Microscope Heads:

Coated Glass Optics

Binocular or Trinocular Head

Inclined 45 degrees. Rotates 360 degrees

10X Wide Field Eyepieces with Rubber Eye Guards

Optional 15X, 20X and 25X Eyepieces are available

Optional 1/2X Lens will double field of view

Interpupillary Adjustment for distance between eyes

Individual Diopter Adjustments for difference in sight between eyes

Base Dimensions:

Width	13 3/4"
Height without microscope head	10"
Height with microscope head	17 1/2"
Depth	16 1/2"
Weight without microscope head	26 lbs.
Weight with microscope head	31 lbs.

Performance:

Zoom Range	.7X - 4.5X
With 10X Eyepieces (Standard)	7X - 45X
Working Distance	95 mm
Field of View at 6X magnification	32mm
Field of View at 45X magnification	4.5mm

Lighting:

1-Compact Halogen	20 watt
3,500 hour life	

3 Dimensional X-Y-Z Positioning Table:

Easy-grip Control Knobs

Dimensions 14 1/2"Lx 14"W

Material 1/8" Aluminum

Forward Movement 10 1/4"

Horizontal Movement 15"

Vertical Movement 2 1/2"

Brake Mechanism Electric

Power Supply:

UL and CE approved Universal 12v DC output

100 - 240v input

Limited Warranty 1 year parts and labor

Specifications subject to change without notice.

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