TRIDENT
Stereo Zoom Microscope System

X-Y-Z Positioning Table
Revolutionary, Single Control, 3-Dimensional Movement
(Patent Pending)

Oblique Angle Viewer
Optional Attachment

Trident Offers Angled Side View From Any Point 360° Around An Object

www.visiontechnologyinc.com
800-560-7226
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 magnification from 6.5X through 45X and up to 225X with optional lenses and eyepieces. The Trident features variable halogen illumination together with a universal 100 – 240 volt power supply.

The revolutionary **X-Y-Z Positioning Table** allows the user to reposition specimens in 3 Dimensions with one control. The Trident is designed to handle a wide variety of large circuit boards and other objects. A convenient switch allows the user to lock the table in position when desired.

The 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.

A trinocular head model is available to provide a variety of options for photography and video imaging. A high resolution camera, monitors and video accessories are available for group inspection and training, image capture on a computer and documentation. Other available options include, higher magnification eyepieces, 1/2X lens for wide field of view, fluorescent ring lighting and fiber optic illumination choices.

With its innovative positioning system, optional Oblique Angle Viewer and optional accessories, the Trident is an excellent choice for the most demanding inspection environments.

**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"L x 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

Vision Technology, Inc.
8501 Delport Dr., St. Louis, MO 63114-5905
Toll Free: 800-560-7226
Phone: 314-890-8300
Fax: 314-890-8383
www.goVTI.com
E-mail: mail@vti1.com

© Copyright, Vision Technology, Inc. 2001