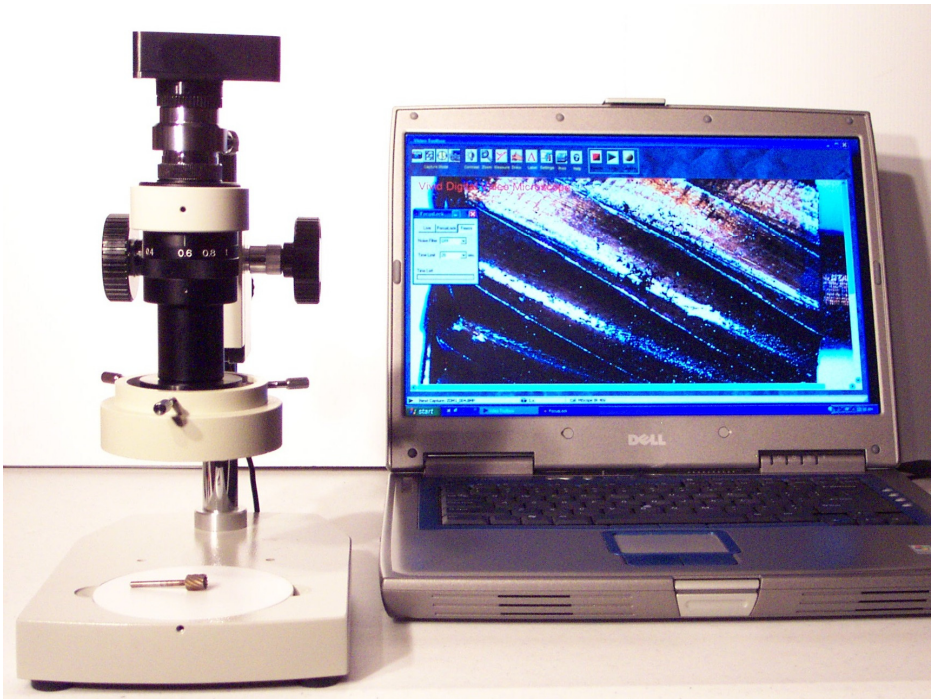


# **“VIVID”**

## *Digital Video Microscope*

**“VIVID” provides you a low cost ability to email, share or store high quality digital images or movie files of your parts.**



Easily capture high resolution – high magnified digital images or movie files (up to 200X!)

Make quick 2D measurements with software (distance, radius, etc.)

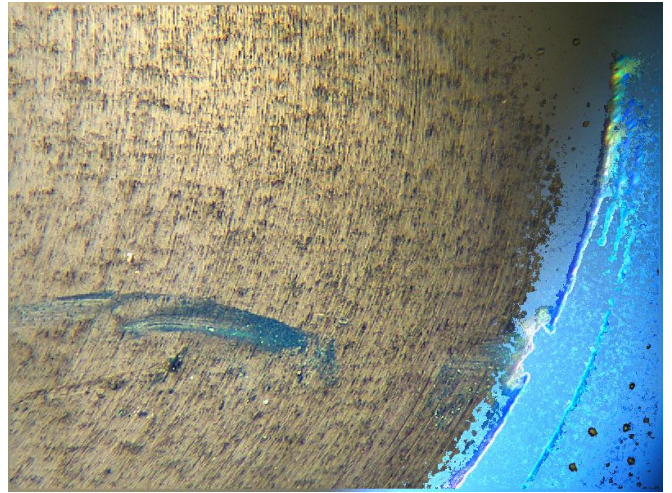
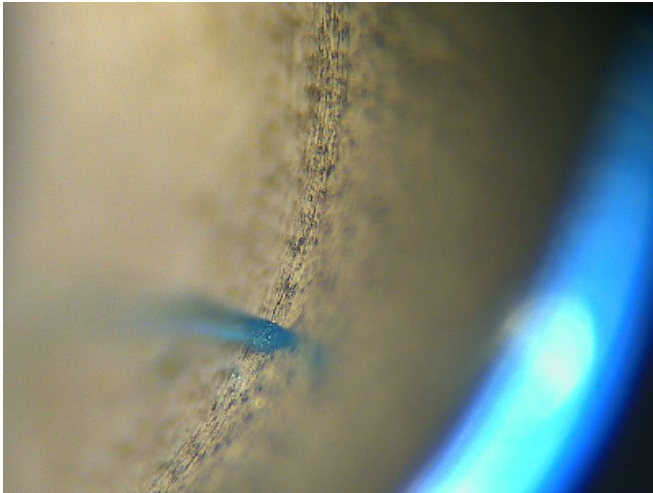
Make annotations (ex: “Defect”) on screen and save image with annotations, measurements and date with time

### INTERESTING FEATURES:

- ❖ **NO VIDEO CAPTURE CARD IS REQUIRED:** All image capturing and viewing is done via USB port on your PC with our included software.
- ❖ **Totally PC powered!** True portability needed? Well, you’ve got it...just hook to your laptop and you are ready to go.
- ❖ **Extended Depth of Focus Option:** *FocusCapture* feature performs real-time focus enhancement by monitoring and capturing every portion of the image in focus the system creates one picture perfect focused image (more on *FocusCapture* below).

## **Focus Capture**

Here *FocusCapture* is being used to look at the inside wall of a bore. With video technology your depth of focus is limited, but with *FocusCapture* we can give you a complete clear focused image of your part!



Our depth-of-focus enhancement, *FocusCapture* performs real-time focus enhancement by monitoring the video image and capturing every portion of the image in focus. Just turn the focus knob then *FocusCapture* monitors the video image and captures the in-focus portions. Finally, *FocusCapture* returns an image which is entirely in focus.

## **VIVID Microscope**

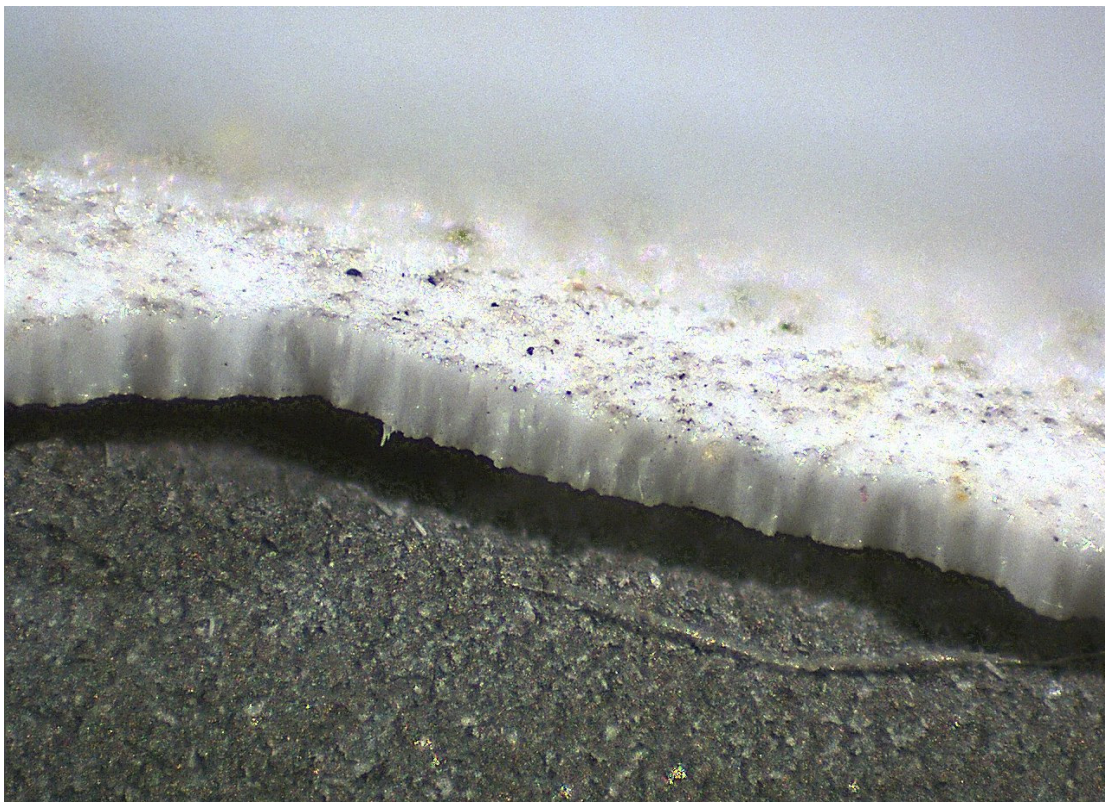
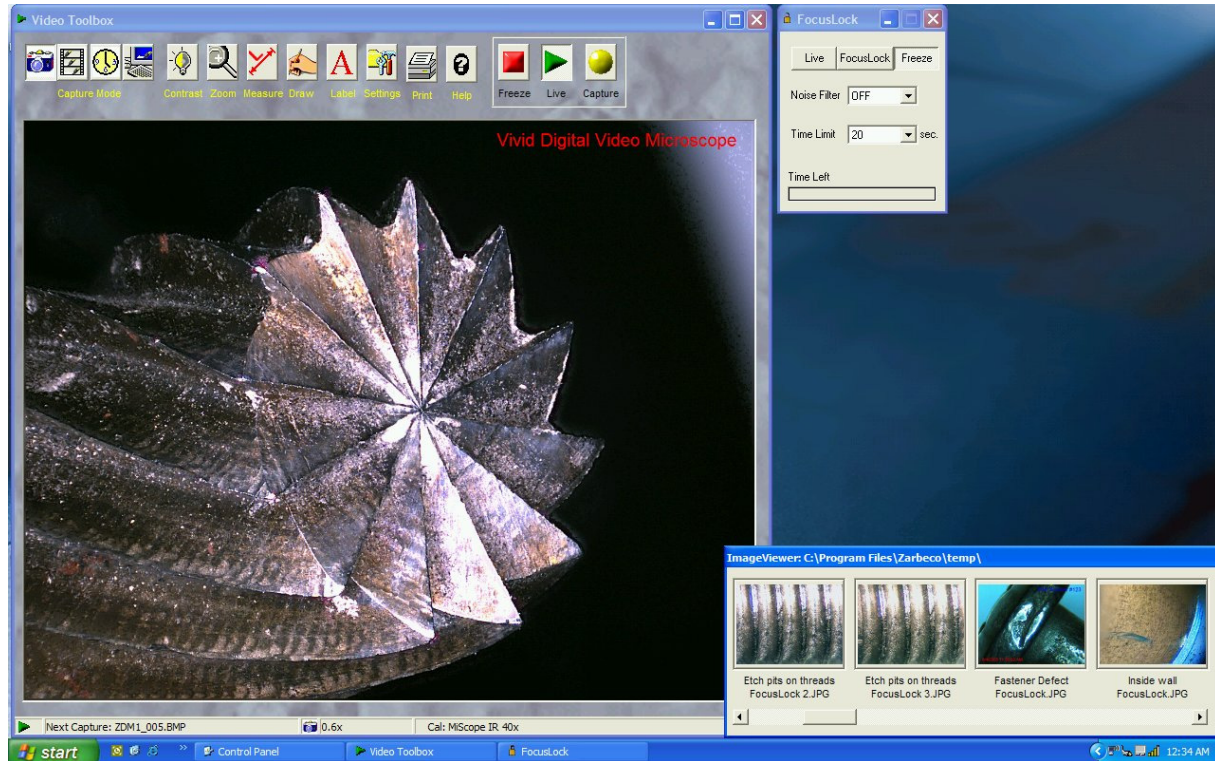
The VIVID Digital Video Microscope is a research grade video microscope system that is powered by your laptop computer. The 1.3 mega pixel color camera provides four times the resolution of a standard video camera. VIVID provides excellent color reproduction and high sensitivity over a wide range of magnifications. The standard zoom lens provides a 9x - 65x magnification range (other magnification ranges available). The variable intensity LED ring light provides uniform illumination in the laboratory, while the PC powered light bar delivers bright white lighting when out in the field.

## **VIVID Image Capturing Software**

VIVID Video software included is an easy-to use interface for image and movie capture, advanced labeling, annotation and measurement. Optional GPS can automatically record the exact location that an image is captured.



# SOME SCREEN SHOTS



### Optical

- Magnification: 9X — 65x (other ranges available)
- Field of View: 0.90" x 0.67" at 9x / 0.14" x 0.10" at 65x
- Standoff: 3.75" to lens / 2.75" to ring light

### Camera

- Array Size: 1280 x 1024 (1.3 mega pixels)
- S/N Ratio: 54 dB
- Min. Illumination: 0.028 LUX
- Frame Rate: 14.33/sec. (1280 x 1024) 30/sec. (640 x 480)
- Interface: USB 2.0

### Illumination

- Laboratory: Variable intensity LED ring
- Portable: USB powered LED bar light

### Software Features:

- Display live video.
- Capture still images, movies and time lapse.
- Adjust camera brightness, contrast and color.
- Live digital zoom up to 4x.
- Resizable image window — up to full screen.
- Measure with multiple measurement tools on the live image.
- Calibrate for different magnifications; store and recall up to 8 different calibrations.
- Add labels and markers on the live image. Drag to move.
- Draw freehand on the live image.
- Place a time stamp anywhere on the image.
- Capture images directly into your favorite photo editor for further enhancement.

### Computer Requirements

- Windows 2000/XP
- Free USB 2.0 Port
- DirectX 8.1 or greater
- Pentium III 1.0 GHz or faster (P4, 1.5+ GHz recommended)
- 128 MB of Free Memory (256+ MB recommended)
- Video card with 16 MB of video RAM, minimum
- 800 x 600 resolution at 16-bit (65,000 colors)

***CALL 866-WILLRICH TO SETUP A DEMONSTRATION AT YOUR FACILITY***

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