



# SeeUV<sup>®</sup>

## NEW FEATURES!

# WebViewer<sup>®</sup>

Improved UV Light Efficiency

Upgraded Mechanics, Guide Tracks, and Shoulder Bolts for Smooth and Stable Movement

Motorized WebViewer<sup>®</sup> provides high resolution UV and white light examinations of disc faces, bores, weld zones and radii in drums and spools. Designed to deliver a camera into the tightest areas and view all surfaces providing life-like color images of areas that are difficult to access.



# EM18793 - Cart Mounted Free Standing WebViewer System Specifications:

## Camera Sensor

- 1/4 inch interline transfer CCD color imager  
NTSC video format
- 768H x 494V effective pixels
- Resolution of greater than 470 TV Lines
- Automatic white balance
- Capable of resolving a 0.10 mm indication in the UV spectrum
- Motorized remote focusing via control module

## Illumination System

- Utilizes Main VIBES Light Sources
- 3.5 meter light guide for UV transmission, 3mm active area
- 3.5 meter light guide for white light transmission, 2mm active area
- UV light peak output at 365nm
- White light cut filter at 390 nm for UV operation
- UV intensity greater than 2000 W/cm<sup>2</sup> at 76mm (3.0 inches) from the target wall
- White and UV capable of simultaneous and independent operations

## Camera Head Features

- 438" x 1.250" x 3" Head Assembly
- Remote Control Focus
- Optical adapters include with system 0° view, 60° aft view, and 90° aft view (Optional 60° forward view, and 90° forward view adapters quoted separately, see EM14158 and EM14159)
- Viewing a 1.2 x 1.0 inch target at 1 inch from the probe surface
- Capable of seeing 0.010" TAM 135273 target at 1.0"
- Direction of view at 0°, 60° and 90° with optical adapters
- Motorized remote focusing via control module



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## Optical Adapters

- Adapters attach without tooling and provide the viewing characteristics noted. The 0°, 60° Aft, and 90° Aft are included with the system.
  - 0° View adapter (4mm lens) provides 18 x 25mm field of view at 25 mm distance from viewing port. Viewing resolution equals .05 mm indication at 25mm distance
  - 60° Aft view adapter (8 mm lens) provides 18 x 25 mm field of view at 50 mm distance from viewing port. Viewing resolution equals .05 mm indication at 50 mm distance
  - 90° Aft view adapter (3.2 mm lens) provides 30 x 40 mm field of view at 25 mm distance from viewing port. Viewing resolution equals .1 mm indication at 25 mm distance
- Optional forward viewing adapters may be purchased:
  - 60° Forward view adapter (8 mm lens) provides 18 x 25 mm field of view at 50 mm distance from viewing port. Viewing resolution equals .05 mm indication at 50 mm distance
  - 90° Forward view adapter (3.2 mm lens) provides 30 x 40 mm field of view at 25 mm distance from viewing port. Viewing resolution equals .1 mm indication at 25 mm distance

## Delivery System

- **Motorized and encoded radial reach extension of 10" with optional motorized horizontal and vertical position control**
- **950 mm (37.4") X-axis (horizontal) movement range (encoded with optional manual or motorized movement)**
- **500mm (19.7") Y-axis (vertical) movement range (encoded with optional manual or motorized movement)**
- **250mm (9.84") radial reach movement range (encoded and motorized)**
- **Fits into 102mm (4.00") diameter opening**

## Control unit

- Control unit functions integrated with base system control unit
- Controls radial reach and focus motors
- Encoded radial reach distance
- Provides image flip for correct handed display with right angle viewing adapters EM14114 and EM14159
- On screen display of encoded position values
- Dual zero resets for encoded position values

\*Note: Upgrade based on rework of control units from 2007 and newer. Upgrade of older units require additional charge.