

# MacroZoom

## VIDEO INSPECTION SYSTEM

### Unlimited Inspection Applications

Our MacroZoom series is a specialized ergonomic inspection system that pairs a large magnification range (up to 120x), with unheard of working distance, depth of field (area vertically in focus) and user control.

These systems fill the need for large field of view inspection, high magnification, and almost unlimited working distance. Unlike a microscope, which limits you to strict working distances, MacroZoom's one-touch variable focal optical design allows for refocusing in a flash, at any working height! Built with ESD Safety Construction and Materials.



Unmatched Working Distance  
**6" to Infinity!**

TKMACZ  
with 22" LED Monitor  
(shown with optional LV2000-B)



### STANDARD FEATURES:

- 5MP Hybrid HDMI/USB Camera with Advanced Onboard Imaging Controls
- Unlimited Working Distance 6" to ∞
- Extended Height 24" Ball Bearing Base for Increased Adjustability
- Range up to 120x with Options

### ONBOARD SOFTWARE FEATURES:

- Image & Video Capture
- Browse Saved Images
- Split-Screen Compare
- Calibrated Measurement
- Digital Zoom with H/V Image Invert
- Region of Interest Cropping
- Crosshair Overlay
- Calibration Bar
- Data Export to Excel or TXT File
- And More!

### EXCLUSIVE FEATURES INCLUDED WITH OUR HD2 ADVANCED IMAGING & MEASUREMENT PC SUITE:

- Extended Depth of Focus Stacking
- Advanced Fluorescence Imaging Controls (HDR)
- Image Stitching Combines Multiple Images for Super-Large Field of View
- Multiple Advanced Measurement Tools with Micron-Level Accuracy (down to 10nm)
- Region of Interest Cropping
- Crosshair Overlay
- Calibration Bar
- Data Export to Excel or TXT File

### 9 Languages Supported

简体中文

繁体中文

English

한국어

Deutsch

Italiano

Le Français

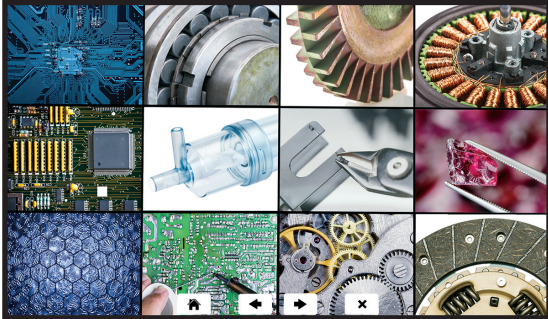
日本語

El Español

# AIMS *ADVANCED IMAGING & MEASUREMENT SUITE*

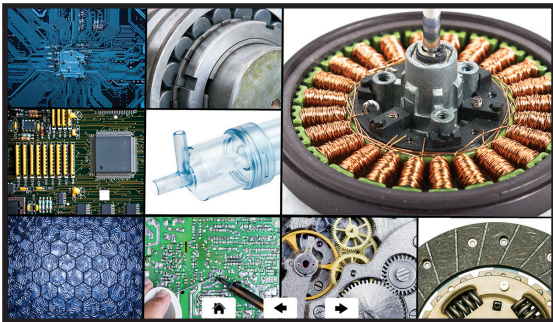
INTEGRATED SOFTWARE FUNCTIONS FOR INCREASED PRODUCTION

## Full Functionality Without Using a PC!



### Browse Captured Images

Quickly scan through previously saved image and video captures. This full field archive allows for quick image pull-up and the ability to sort and delete images no longer needed. An 8GB SD card is included with every system to transfer images and videos from system to remote PC for archiving, emailing, etc.



### Compare While Working

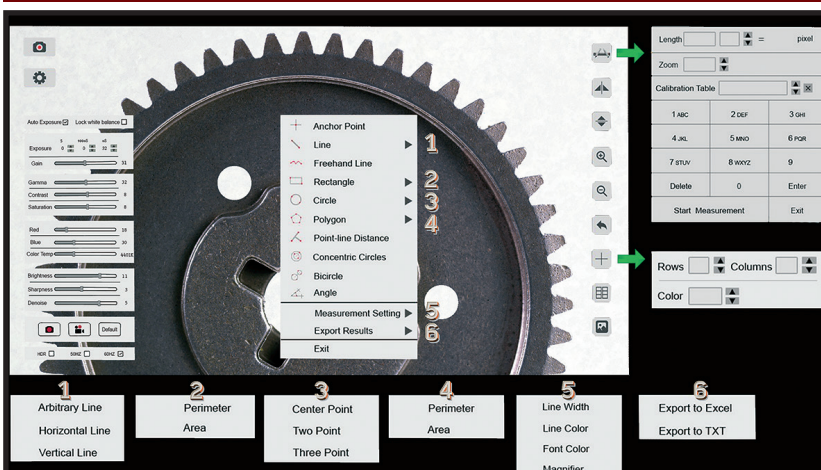
Upper Right-hand window features the live video feed, while all previously captured images are tiled around it. This feature allows for real-time searching of previously captured good (or bad) examples for instant comparison.



### Split Screen Viewing

Excellent training tool! Pull up a previously saved capture (left pane) and compare with live image on the right! This interactive screen is excellent for showcasing pass/fail to multiple people at once. Ever have to train a group of new employees all at once? It has never been easier for all employees to see the same details, at the same time.

## Exclusive features found only in our *Advanced Imaging & Measurement PC Suite*



### Extended Depth of Focus

This specialized tool allows for 'stacking' of multiple image captures taken at various focal lengths, into a single super clear image.



This tool is excellent for showcasing super high clarity images of tall items that are outside of the capabilities of optical clarity alone.

### Image Stitching

Inspecting something that is just too big to view all at once? This handy feature allows you to capture multiple images of the part, then 'stitch' them together digitally to create a single extra-large image. This technology is now available to you, with all of the quality you expect from O.C. White.



## MACROZOOM SPECIFICATIONS:

Part Number	Mounting Base			Digital Video	22" Monitor	Light Source		
	Laboratory Style	Articulating Arm	Heavy Duty Ball Bearing	5MP Hybrid Camera		Fluorescent Ring	150W Fiber Optic	LED
TKDMACZ			✓	✓				
TKDMACZ-A			✓	✓			Annular Ring	
TKDMACZ-BL			✓	✓			Back Light	
TKDMACZ-D			✓	✓			Dual Point	
TKDMACZ-F			✓	✓		✓		
TKDMACZ-FA		✓		✓				
TKDMACZ-FA-A		✓		✓			Annular Ring	
TKDMACZ-FA-BL		✓		✓			Back Light	
TKDMACZ-FA-D		✓		✓			Dual Point	
TKDMACZ-FA-F		✓		✓		✓		
TKDMACZ-FA-LV2		✓		✓				✓
TKDMACZ-L	✓			✓				
TKDMACZ-L-A	✓			✓			Annular Ring	
TKDMACZ-L-D	✓			✓			Dual Point	
TKDMACZ-L-F	✓			✓		✓		
TKDMACZ-L-LV2	✓			✓				✓
TKDMACZ-LV2			✓	✓				✓
TKMACZ			✓	✓	✓			
TKMACZ-A			✓	✓	✓		Annular Ring	
TKMACZ-BL			✓	✓	✓		Back Light	
TKMACZ-D			✓	✓	✓		Dual Point	
TKMACZ-F			✓	✓	✓	✓		
TKMACZ-FA		✓		✓	✓			
TKMACZ-FA-A		✓		✓	✓		Annular Ring	
TKMACZ-FA-BL		✓		✓	✓		Back Light	
TKMACZ-FA-D		✓		✓	✓		Dual Point	
TKMACZ-FA-F		✓		✓	✓	✓		
TKMACZ-FA-LV2		✓		✓	✓			✓
TKMACZ-L	✓			✓	✓			
TKMACZ-L-A	✓			✓	✓		Annular Ring	
TKMACZ-L-D	✓			✓	✓		Dual Point	
TKMACZ-L-F	✓			✓	✓	✓		
TKMACZ-L-LV2	✓			✓	✓			✓
TKMACZ-LV2			✓	✓	✓			✓

*If you prefer a compact solution, check out our Super-Scope® Inspection System!*



See our complete product lineup at: [www.ocwhite.com](http://www.ocwhite.com) or call **413-289-1751**

O.C. White Co., 4226 Church St., Thorndike, MA 01079