mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

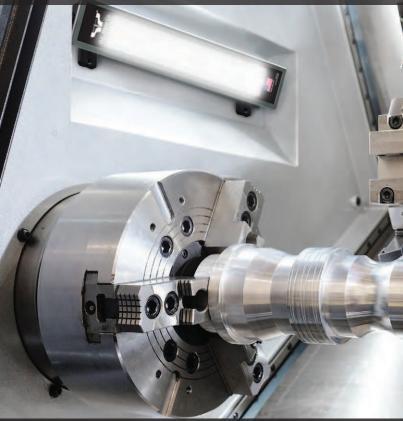


Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



American Designed, American Craftsmanship





O.C.White Co.

WHITE LITES

®

2017 Industrial Catalog



Patent #D723,081 S

White Co?

The Industry Standard The Dollars and Sense of Buying Quality

Best Return On Investment

The Green-Lite[®] series from O.C. White is the world's most energy efficient, highest output, and longest lasting line of professional inspection magnifiers. Immediate improvements in productivity and quality control inspection equal **real**

bottom line savings.

82400-4-USA

Optional Add-On Lenses 4 Diopter (2x) AO-4D & 6 Diopter (2.5x) AO-6D with Silicone gasket

> Crown White Glass

Standard in all O.C. White models, this highest resolution glass puts us leaps and bounds ahead of



Productivity Improvement

With unmatched standard 4 Diopter (2x) magnification & advanced lighting controls, let us help you catch in-process defects before they reach your customer competition who continue to choose poor quality green tinted glass. If crystal clear resolution and superb color rendition are critical to your inspection, only O.C. White can satisfy.

Unmatched Efficiency

With efficiency being a paramount concern in today's manufacturing environment, all Green-Lite® models are up to the task. **Our 12 LED models consume only 8w at high**, and our 6 LED models consume a mere 4 watts!

AMERICAN DESIGNED, AMERICAN CRAFTSMANSHIP.

Intuitive Lighting Controls

Our specialized rugged membrane switch controls all aspects of lighting. Our patented features include **100-5% dimming**, **5 specialized contrast** lit views, integrated shut-off timer for **energy savings**, and light memory... complete control is at your fingertips. This multifunction membrane is also back-lit for increased visibility in darker installations.

DIMMABLE: Control Lighting Intensity Smoothly - 5% to 100%



CONTRAST: Control Lighting Contrast Quickly - 5 Contrast Views



Lighting Specifications:

Exceeds all other magnifiers with over **(4X) the lumen output** of competition.

- Reduced glare, heat and energy consumption
- **Multi-angle LEDs** for shadowless lighting at a full range of focal lengths and heights
- User controlled LED groups shine contrasting light exactly where required
- Auto-Timer shut-off (user activated)
- Low 24v design makes this the world's safest

Benefits:

- No Bulbs = \$0 Replacement Cost
- Ideal color temperature for accurate colors
- Reduction or elimination of eyestrain
- More easily see defects during QA

Optical Specifications:

Precision ground, crown white optical grade glass provides the highest image resolution with no ghosting or chromatic separation.

- The largest lenses in the industry.
- Four lens sizes to choose from:
 - 7" x 5.25" Rectangle Lens
 - 7.5" Round Lens
 - 6" Round Lens
 - 5" Round Lens
- Standard 4 diopter (2x) lens (an O.C. White exclusive)
 - Optional (2.25X) lens available

Benefits:

- Best balance of working distance, magnification and field of view
- Most lens size choices in the industry
- Unrivaled lens clarity
- See what you've been missing



Quality Comes Standard!

Better By Design

With any world class product, it is no individual detail that reigns supreme. To be the best, every aspect of your product needs to be industry leading. From offering the largest and clearest lenses available, to energy consumption 8 watts and under, robust military-grade mechanical construction and light adjustability never before available, you owe it to yourself to only use the best. Every model is built standard with 100-240v (50/60hz) auto switching transformer for worldwide use, so now companies with worldwide manufacturing sites can standardize their visual inspection with no worries.

> **Magnification** Standard 4 Diopter (2x) for optimum

balance of magnification and working distance.

Heavy-Duty Arms High strength extruded aluminum design for ultimate precision and holding power.

Hi-Tech Shade Industrial grade die-cast aluminum shade doubles as a heat-sink providing long LED life and comfortable handles for maneuverability.

> Single Piece CNC Machined Base Block High strength at a critical joint

for long life and image stability.

4

82400-4-SB

Pure Durability Delivers Low Cost of Ownership!



82400-4-UV / Ultraviolet Featuring 8 UV LEDs (395nm) ganged with 4 White LEDs. Easily switch from UV-left, UV-right, White only and UV with White light.



BY

BO

BR

Choice of 10 Standard Finishes

В

RG

SB

CM

S

Green-Lite

Patent #D656,527 S

One BIG Beautiful Magnifier.

The 7.5" LED Big Eye™ The Biggest in the Industry!

Lighting Control Specialized membrane switch provides smooth light level control from 100%-5% with special contrast and timer functions built-in.

Heavy-Duty Arms High strength extruded aluminum design for ultimate precision & holding power.

> 7.5" ROUND Crown White Glass

Huge Optical Quality Lens for the widest working view with the highest visual resolution available anywhere.

Hi-Tech Shade Industrial grade die-cast aluminum heat-sink shade provides long LED life and easy handling.

62400-4-BO 12 LED Equipped with the largest, highest resolution lens available, this next generation, surface mount LEDs, is the new standard for illuminated magnifiers. Quickly pays for itself with superior productivity and energy savings. Features the highest lumen output in a lighted magnifier, the user controlled LED groups shine desired level of light and illumination contrast exactly how and where you need it.



5" Round Magnifier with 6 LEDs

42400-4-SB 6"Round 6 LED ED SAFE 6" Round Magnifier with 6 LEDs

6" Round with **12 LEDs** also available

AMERICAN DESIGNED, AMERICAN CRAFTSMANSHIP.

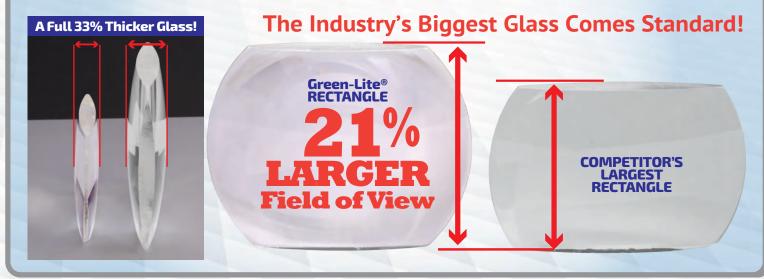
Bigger IS Better!





NO COMPARISON: HEAD TO HEAD SHOWDOWN

It doesn't get any clearer than this! Shown below is our best-selling Green-Lite® Rectangle LED magnifier lens, next to a leading competitor's largest rectangle magnifier lens.





Machining Perfection

The Perfect Inspection Tool for the Machining Industry



In a World of Copycats and Knockoffs, Vision-Lite® is a Groundbreaker.

EWING

AREA

This excellent inspection tool is perfect for the machining industry. If you are inspecting polished metal components, exotic materials, or if inspecting surface quality are key to your job, the Vision-Lite® has no equal. The unique 3-sided bulb offers soft, shadowless illumination that will make the smallest details stand out.

One of the key design features is the ONLY TRUE RECTANGULAR LENS. All other manufacturers who advertise 'rectangular' magnifiers are only telling you half the truth. What they are offering is a round lens, with two sides cut flat. You still get edge distortion, and other less desirable optical effects from this. With Vision-Lite® you can get the same level of clarity side to side... we dare you to compare! SEEING IS BELIEVING

Our Glass is BETTER! Thicker and More Poweful! 39%1

> COMPETITOR'S LARGEST RECTANGLE



Keeps Getting Better

The Largest Round Lens Fluorescent Magnifier Available for Industry

Unrivaled Lens Size

Huge 7.5" Round 4 Diopter (2x) crown white glass lens provides the clearest and widest field of view

Big Eye™ T5 Fluorescent Magnifier

This classic design features an updated slim T5 bulb and high output electronic transformer. Available in standard 4 Diopter (2x) as well as optional 5 Diopter (2.25x) lens. We have also slimmed the overall height of the shade for a sleeker appearance and better functionality. ESD Safe.

Heavy-Duty Arms High strength extruded aluminum design for ultimate precision & holding power. Choice of 30" and 43" reach arms.

Standard Magnilite® 5" Round Magnifier

52400-4

Our original Magnilite®... an industrial standard since the 1960s. This model has also been updated to include heavy duty tri-axis die cast locking swivel and new electronic transformer. Available in standard 3 Diopter (1.75x) as well as 5 Diopter (2.25x). ESD Safe





9



Making Light Work

Longline[®] Draftsman Lamp

While the days of mechanical drafting by pencil and table might be behind us, the need for quality task lighting isn't. It is more critical than ever to have proper light on your work surface. Parts are getting smaller, and real production time costs are increasingly scrutinized.

Standard overhead 4ft. bench lighting simply doesn't provide adequate light at the work surface. Our twin tube, 30 watt Longline® has set the standard for quality, function, and durability. A superior multiform one-piece stamped steel shade offers utmost rigidity and heft in any industrial lighting application. Our die-cast triple axis adjustable swivel assembly ensures that the light will stay where you set it. Ships with (2) 15W HO fluorescent tubes. 120V only

20700





Machinists Heavy Duty Task Light

A shop floor staple, our heavy duty machinists task light has been proudly helping machinists and other shop floor production engineers illuminate their work since the 1960s. This industrial quality light has provided unwavering durability and operation in the harshest of environments, at an attractive price.

The light features our handspun 8" rigid aluminum shade with venting and bright white inner liner for light reflectivity. This liner also helps isolate heat from the bulb, so it keeps the shade cool to the touch! Bulb is not included with this light, but it will readily accept most incandescent, compact fluorescent (CFL) and new LED screw in bulbs.

We have also updated this light with new die-cast triple axis adjustable swivel and one-piece CNC machined base pin. See the quality difference for yourself!

Ultra Exhaust HIGH OUTPUT BENCH & FUME FAN

World's Best **Bench Fan**

Ultra Exhaust is the Ultimate Bench **Exhaust Fan!**

For welding or large fume removal jobs, our 550 CFM unit blows it all away. The UL/CSA fan and finger guards provide excellent protection from both operator, and debris. Fan may be adjusted to move air in either direction. Mounted on our 43" long Ultraflex[®] arms for dependability, strength and easy movement.

This is the most robust, highest quality exhaust fan you can find on the market, bar none.



- ESD Safe
- 10" 550 CFM fan with UL/CSA dual finger guards
- Heavy cast 10" housing for maximum airflow
- 43" Ultraflex[®] Arm Reach
- New die-cast 3 axis locking swivel for ultimate articulation
- 5 Year Mechanical Warranty
- 120V Only

Fume Absorber Exhaust Fan with Activated **Carbon Filter**

Our ESD Safe fume absorber fan features an activated carbon filter, which neutralizes hundreds of noxious fumes that would otherwise cause headaches, nausea and eve irritation. Competitive units are not activated carbon... a major performance difference.

5" 100 CFM fan may be positioned easily from either side to keep your work area fume free and uncluttered. All Metal Construction with ESD Safety. 120V Only.





Workplace Ergonomics 101

Maximize Efficiency and Operator Comfort

A pretty simple concept, but with far reaching implications. Ultima™ EPS marries our award-winning arm technology and world renowned lighting and inspection products together for industry exclusive performance and ultimate ergonomic safety.

Custom Fit to Each Operator

No two users are alike... let Ultima[™] EPS show you that this is no longer an issue. Ultimate adjustability and repositioning allows for users of all heights to quickly and precisely set the inspection tool to their desired location.

Free Up Work Space

Is your bench STUFFED? Let Ultima[™] liberate your work space! Bulky microscope stands, small instrumentation, user input controls... get them all up and out of the way!





UITIMA SMS SCALABLE MONITOR SUPPORT

Professional Grade Scalable Monitor Support for Industry

"Future-Proof" Scalable Design

Scalable to meet both today's needs and room for growth tomorrow. Modular function means you're only limited by your imagination.

Holds Up To (6) 20 lb. Screens At Once!

When we say professional grade, we mean it. Our robust build quality allows for up to 120 lbs. of monitors to be mounted at once.

Integral Wire Management

Declutter your workspace with our specialized internal wiring channels.



SMS-LD-1

2015

Radio



SMS-LD-2

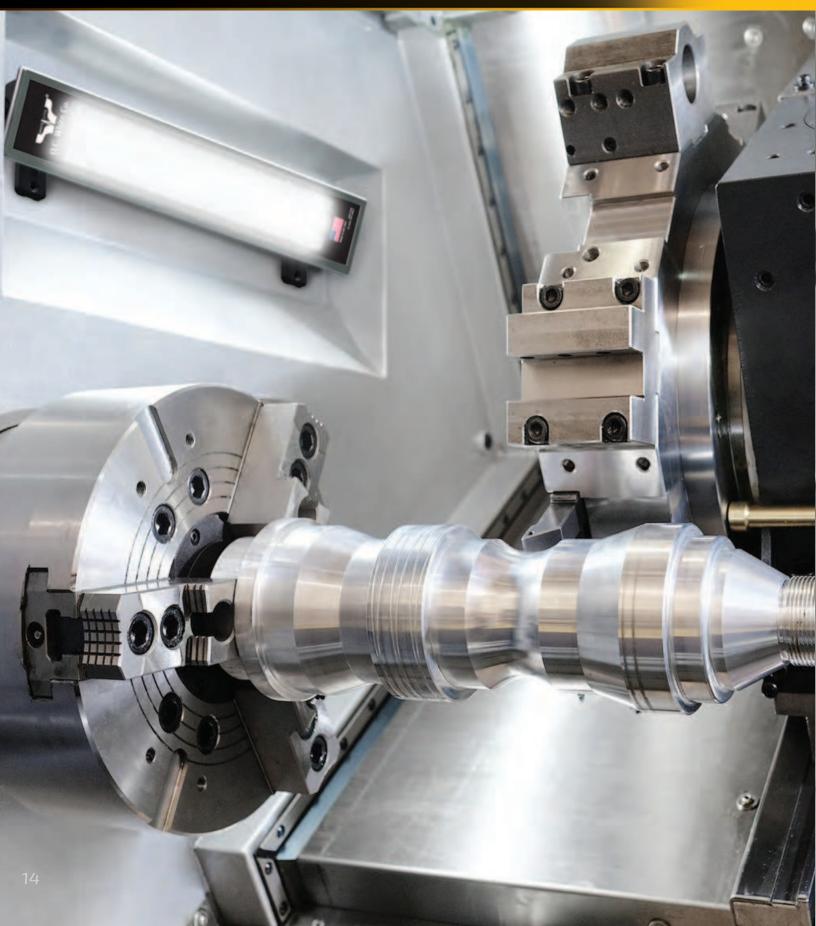
SMS-LD-4



SMS-LD-6

13







High Output LED Machine 1967 RATED LINEAR MACHINE LED LIGHTING

SERIOUSLY BRIGHT!

LIGHT

Somming Booming

1500 lx 1400 lx 1200 b

OUTPUT

at 36" (91.5 cm)

Our Industrial Strength Break-Through

Our Super High Output LED linear machine lighting is the most energy efficient, highest output, and longest lasting machine tool lighting in the world. It will quickly pay for itself through lower operating costs, longer lifespans and improved productivity. Die-cast aluminum body with tempered safety glass ensures reliable performance in the harshest environments.



Military Grade Construction

The O.C. White High Output LED linear machine light represents the pinnacle of American made quality, sleek design, and outstanding performance. The solid **die-cast aluminum body** construction is for more than just show! It is an integral feature of this light, acting as the heat sink for the LED arrays. This light also features **tempered safety glass** and a slim, nickel plated bezel. It is engineered to withstand even the harshest conditions. Unlike the plastic and thin-walled extrusions our competitors use, this light is made to last a lifetime.

"Green" Long Before It Was Fashionable

toocontinuing 1000

This light features exclusive "Patent Pending" thermal dimming controls. If the light gets too hot, it will automatically dim itself to cool down, and greatly extend its service life. Also due to our best-in-class engineering, these fixtures have TWICE the light output from the same wattage compared to our competition, and far exceeds the old style fluorescent lights.

LIGHT

OUTPUT

at 18" (45.75 cm)

Low Voltage with Worldwide Appeal

This light can be used on virtually any mill, lathe, grinder, or a variety of other machines in service across the world. Our solid state LED design runs at **24V DC**, which increases operator safety compared to 110/220v lighting! Each light only consumes **38w** (1.6A) also making it one of the most efficient.



Adjustable To Any Angle

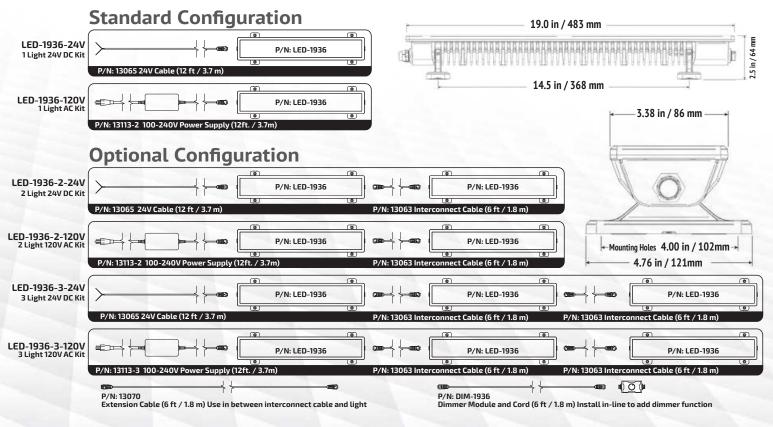
You can adjust the angle of light 45° in each direction (90° total). This opens up limitless installation possibilities, while still putting the light exactly where you want it.



With O.C. White, the choice is yours. Each mounting foot comes complete with a pair of **high strength Neodymium magnets** preinstalled. These allow for a quick magnet mount installation.

Limitless Installation Possibilities

The specialized design of this light allows for up to (3) fixtures to be run from a single power point. This drastically reduces wire clutter and affords a much faster installation.









High Output LED Machine 1967 RATED SPOT-LITE MACHINE LED LIGHTING

Compact & Powerful LED Lighting for Swiss-style Machining

Next Generation LED Spot Lighting

The new Spot-Lite is the perfect addition to any CNC machine enclosed or not! Our LED Spot-Lite builds on our sophisticated LED technology to provide users with unrivaled lighting.

Say Goodbye to Your Old Halogen!

Hot and dangerous bulbs are a thing of the past! Upgrade your machine to cool LED lighting - you'll see immediate improvements in set-up times and no loss of production time replacing bulbs! Locking Die-cast Swivel Base Locks up solid at any angle 180° Adjustment Range



IP67 Gasketing Specialized design ensures leak-proof performance over the entire life of the light.

24V DC Legulated Input

duj

CAUTION: N

Tempered Safety Glass Anything can happen in a CNC enclosure - you'll appreciate this added safety and piece of mind.

10° Precision Focused LEDs

Great care and thought went into designing this spotlight. Maximum light with even spread ensures ideal lighting for any machine. LED-WSL-SS -10-24v



THERE'S MORE ONLINE!

For complete specifications on all OC White machine lighting including accessories, please visit:

www.ocwhite.com

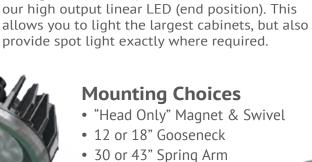


Your choice between permanent screw mount or magnet. Competitive units can't match the holding power.

Integrated Dimming Each IP67 light features a

built-in dimming switch with a

100-5% dimming range.



Minimal Maintenance

Cool LEDs are happy LEDs.

It is up to the operator to regularly clean rear heat fins to ensure long service life.

Mounting Choices

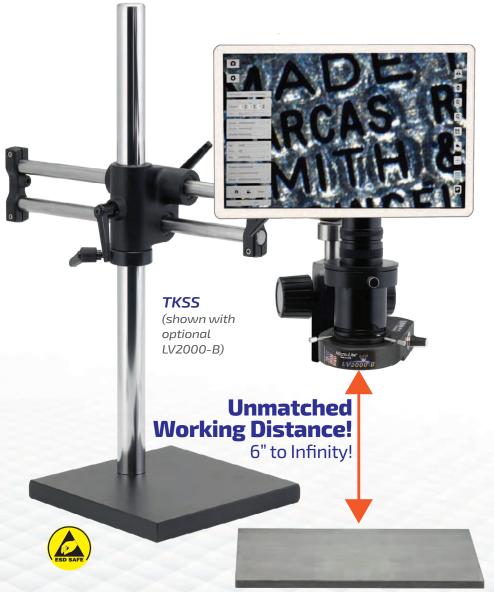
Compatible with LED-1936 Linear The light can be daisychained into series with

- "Head Only" Magnet & Swivel
- 12 or 18" Gooseneck
- 30 or 43" Spring Arm

LED-WSL-MG18-10-24v







Ultimate Ergonomics

Ergonomic design and operator comfort go hand in hand. Unlike microscopes with restrictive eyepieces, **Super-Scope®** features 'heads up' viewing for greatly reduced eyestrain, neck fatigue, and improved posture.

The **large working distance** range means that any height operator can readjust to fit them easily. EH&S personnel can see immediate benefit.

Need Up to 400X Magnification? CONTACT US FOR DETAILS ON THE NEW SUPER-SCOPE® MICRO ZOOM INSPECTION SYSTEM!

Simply Better.

Competes with Inspection Stations over \$10k... at a Fraction of the Price!

Super-Scope® stands heads and shoulders above its competition. This unique inspection system boasts features found on much more expensive equipment. Its freestanding design allows for use anywhere on the manufacturing floor... no need for a PC!

The heart of the **Super-Scope®** is our **5MP Hybrid HDMI/USB camera with 12" Integrated LED screen**. Featuring full 1080 resolution (300dpi) for super detailed 'heads up' viewing, this camera features onboard tools including Image & Video capture, calibrated measurement, split screen live view, and more! An 8GB SD Card is included standard for easy transfer.

This system features our **exclusive varifocal lens technology**, which allows for up to 80x magnification and working distances that can be measured in FEET not inches! Each system ships standard with our 24" tall double ball bearing base (other mounting styles available).

- Infinite Focal Length Inspect from 6" Working Distance to Infinity
- 5MP Hybrid HDMI/USB Camera Exclusive Design Works without a PC
- **1-40x Standard Magnification** Up to 80x with Options
- **Built-in Software** No PC Needed! See full features list on the following pages
- No Light Needed Industry-Leading Low Light Sensitivity
- **Split Screen Display** Captured vs. Live Image Comparison Tool
- Built with ESD Safety Construction and Materials



Video Inspection System

Unlimited Inspection Applications

Our MacroZoom series is a specialized ergonomic inspection system that pairs a large magnification range (up to 80x), 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.

STANDARD FEATURES

- 5MP Hybrid HDMI/USB Camera with Extended Height 24" Ball Bearing Advanced Onboard Imaging Controls
- **Base** for Increased Adjustability
- Unlimited Working Distance 6" to ∞
- **ONBOARD SOFTWARE FEATURES**
- Image & Video Capture
- Browse Saved Images
- Split-Screen Compare
- Calibrated Measurement
- Digital Zoom with H/V Image Invert

- Range up to 120x with options
- 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
- Learn More About It on the Following Pages!

TKDMACZ (shown with optional LV2000-B)

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

AMS ADVANCED IMAGING EMEASUREMENT SUITE

INTEGRATED SOFTWARE FUNCTIONS FOR ALL CAMERA BASED SYSTEMS

Full Functionality Without Using a PC!

The Built-In Advanced Imaging & Measurement Suite Comes Out of the Box Ready for Bench Production.



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.



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.



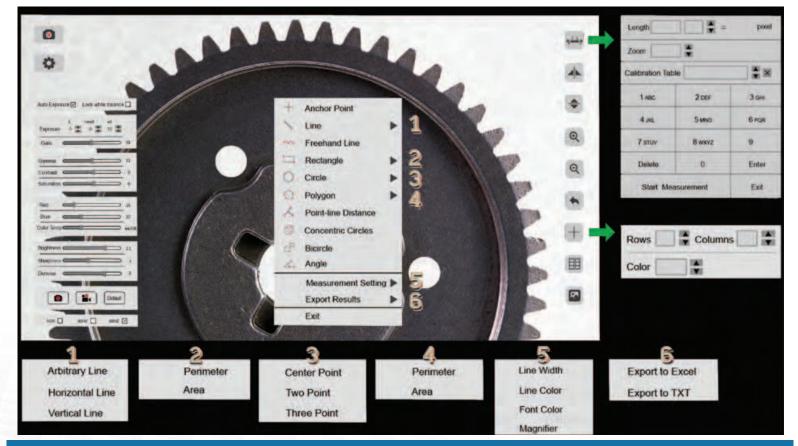
Split Screen Viewing

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.

Calibrated Onboard Measurement Couldn't Be Easier!

An Entire Array of Measurement Tools for High Precision, Repeatable Measurements. All Without Using a PC!



Exclusive Features Found Only in 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. No longer must you settle with images that are good enough... make them great!



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.