



# INSPEX HD

1080p

## High Definition Camera Inspection System

Offering superb 1080p full HD image quality, colour reproduction, contrast and resolution.

Its versatile design makes it compatible with a wide range of mounting options. Real-time on-screen dimensioning is provided by integrated XY grids and cursors.

- Full HD 1080p Image Quality
- Image Capture to USB key
- Integrated, Real-Time, On-screen Dimensioning Grids & Cursors.

### Key Features:

- Accurate & detailed inspection with superb HD image resolution, dynamic range of magnification levels & integrated LED illumination.
- Real-time on-screen dimensioning provided by integrated XY grids & cursors
- Less operator fatigue & improved production efficiencies due to ergonomic design enabling user to sit or stand in a comfortable and safe posture providing relief from back, neck and eye strain typically associated with traditional microscopes.
- Easy documentation & traceability for accurate quality control records using image capture to USB key.

### Applications

The Inspex HD 1080p is suited for repair & rework, quality control & failure diagnosis processes in industries such as: Automotive, aviation, electronics, engineering, forensics, jewellers, medical devices, packaging & labelling, pharmaceuticals and security.

Jonathan Higgins, Associate R&D Engineer

Ireland

## Goodman Medical

“Working in the medical device industry I’ve come across many different inspection and measurement platforms, many of which are highly complicated and require constant maintenance and tech support to solve update and compatibility issues. Ash Technologies’ Omni Core vision and measuring system is an all-in-one platform that provided a solution to all these issues.

It gives precision measurements and high resolution, high magnification images with a simple user-friendly interface with software applications that minimise error. The inspection applications not only make identifying defects an easy task, but also simplifies and speeds up operator training and measurement applications, ensuring accurate measurements every time. Software updates can be done at the click of a button with no need for IT support and additional applications can be added just as easily if required.

All in all, I would highly recommend Ash Technologies to anyone looking to simplify and improve their vision and measurement systems. I would also like to add that they have impeccable customer service which is always a plus.”

Mark Jones, Technical Field Service Manager

USA

## Rolex

“In the jewellery industry you have the 4 C’s cut, color, clarity, and carat weight. In watchmaking education you have the 4 D’s: demonstration, deliberation, documentation, and discover. In educating student’s about the small world of watchmaking, we need tools that can transport them into this world.

The Omni core is an excellent digital microscope for us because it is a stand-alone system. It has a great focal distance for demonstration and it offers many built in tools and optional accessories that help us communicate, measure and collect images.

The Omni helps us and our students evaluate and understand this tiny complex world. It also comes with a great team of people that have helped us quickly and efficiency, answering questions and giving us technical support.”

Roland Rucker, Quality Engineer Optoelectronics

Germany

## Heraeus Noblelight GmbH

“Our goal was to acquire a microscope with the smallest possible surface differences between 5 and 500 microns without fatigue. Likewise, we wanted to create sharp images with the abnormalities and these surveying. The implementation of these requirements has now been confirmed in practice by our employees. What also stands out is the intuitive user interface our employees were able to use within a very short time. The support from their side for commissioning and technical questions is also to be positively emphasized. We can highly recommend this microscope because of our positive experiences and you as a partner.”





## INSPEX vesa



## INSPEX table

FI 801-017

FI 801-027

FI 801-028

FI 801-018

FI 801-024

## Included System Components



### LENSES

+5 Lens



### OTHERS

Memory Stick, HDMI Cable



### LENSES

+4 Lens



### OTHERS

Memory Stick, HDMI Cable

## Optional System Components



### LENSES

+3 Lens

AI 280-129

+4 Lens

AI 280-125

+5 Lens

AI 280-123

+10 Lens

AI 280-124

Lens Polarizing Filter

AI 280-145

Lens Protector

AI 100-061



### LIGHTS

8-Point LED Ring Light

AI 100-012

Polarizer for 8-Point LED Ring Light

AI 100-000

Diffused LED Dome Light

AI 100-001

LED Fibre Optic Illuminator with Dual Gooseneck

AI 100-033

UV Ring Light

AI 100-026 220V 254nm

AI 100-005 220V 375nm

AI 100-035 110V 254nm

AI 100-034 110V 375nm



### CONTROLLERS

KPI External Keypad

AI 801-414

Required to activate dimensioning grids

Footswitch

AI 801-415



### OTHERS

Ash PC Capture

AI 100-052

24" Monitor

AI 801-416

Hard Case

AI 801-561

Soft Case

AI 801-566



### STANDS & STAGES

XY Stage

AI 100-010

Track Stand Vesa Flex Cam

AI 100-028

Track Stand Vesa & Vesa Short Flex Cam

AI 100-019

Track Stand Vesa Short

AI 100-020

XY Stage for Uplight

AI 100-011

Uplight Track Stand Vesa & Vesa Short Flex Cam

AI 350-322

Vesa Mounting Arm

AI 350-322

Oblique Tilting Stage

AI 801-414

Height Adjustable Stage

AI 801-413

XY Stage Large

AI 100-057

No stand or stage needed for inspex table

www.ash-vision.com



At Ash we design, develop and manufacture all our user centric solutions in-house and are proud of our award winning innovation process. We use creative Design Thinking to actively empathise with our customers to understand their real unmet needs and jobs to be done. We seek meaningful engagement and co-creation with our end users so we can develop the best possible solutions and services in the quality assurance industry resulting in cost savings, increased workflow efficiency, waste reduction and an overall improved quality process.

**Contact Us.**

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