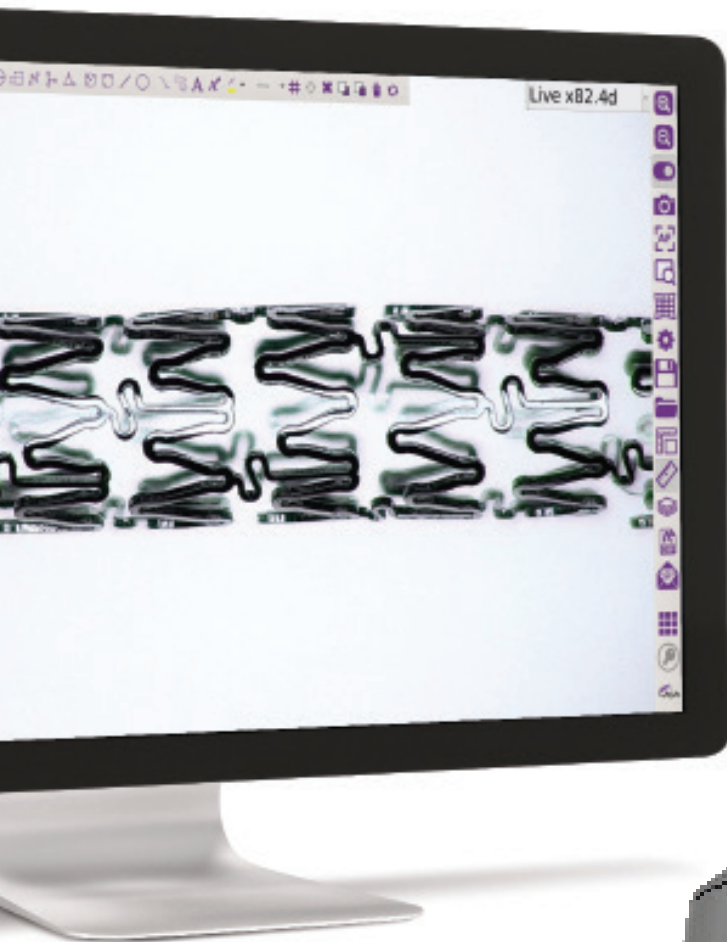


Advanced  
Digital Microscopes and  
Measurement Systems

---



# INSPEX II

simply powerful

---



# Simply Powerful Digital Microscope System

## Productivity.



### AshCal™

Inspex II is factory calibrated before shipping. No time is wasted performing recalibrations between changing magnifications



### On Screen Preset Buttons

On Screen Preset Buttons allow quick access to pre-configured part-specific system settings

## Quality.



### 2D Measurement & Annotation

Point to point measurement and annotation of samples and creation of graticules



### User Privileges

User privilege settings enable operational control and traceability

## Functionality.



### On-Screen Digital Graticules

Create Go-No-Go on screen digital graticules to quickly identify sample defects



### Save to Network

Networking enables direct saving to the server or cloud for increased workflow efficiency



### Image Stamping

Image stamping with time, date, user and magnification level



### Image Stacking

Inspex II automatically captures several images at different focal depths to create an image based on the sharpest regions from each capture



### Applications

- In Process Visual Inspection of Component Parts
- Final QC Release Inspection
- Standardisation and Control of Inspection Process
- Documentation of Inspection Process

### Industries

- Electronics
- Medical Device Manufacture
- Polymers
- Metalworking
- Automotive

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' OmniCore 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 simplify and speed 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."



Michael Mulvi, Quality Specialist

Ireland

## Conductix Wampfler

The Omni vision system we purchased from Ash Technologies has given us the ability to measure dimensions on our plastic moulded parts that we previously did not have the capability to do. In sourcing this, capability has greatly improved our ability to obtain timely approval from our customers for the new products we are constantly adding to our range.

The Image Stacking function on the Omni vision system is a feature that we have found useful. We use many bought-in high precision components on our assembly line. The Image Stacking function enables us to quickly produce high magnification photographs to highlight to our suppliers any quality issues or areas for improvement. Our suppliers greatly appreciate the precision measurement and quality of the images we can now provide them with.



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 II

simply powerful

FI 806-001

## Included System Components



### LENSES

+5 Lens



### LIGHTS

LED Ring Light



### OTHERS

WirelessKeyboardandMouse Memory Stick HDMI Cable

## Optional System Components



### LENSES

+5 Lens

AI 280-150

+10 Plan 1x Lens

AI 100-055

+25 Lens

AI 100-053

Ash 360 Rotating Viewer

AI 801-422

PolarisingLens(Analyser)

AI 100-041

Sub-StagePolarisingFilm& Analyser

AI 801-835

Sub-StagePolarisingFilm

AI 801-836

Polarised Ringlight & Analyser (58mm)

AI 801-423



### LIGHTS

Diffused LED Dome Light

AI 100-045

UV Ring Light 367nm

AI 801-421



### CONTROLLERS

KPII External Keypad

FI 806-002

KIII External Keypad

FI 806-003



### OTHERS

Ash PC Capture

AI 100-052

24" Monitor

AI 801-416

Hard Carry Case

AI 801-563



### STANDS & STAGES

XY Stage for Uplight

AI 100-011

XY Stage

AI 100-010

Large XY Stage

AI 100-057

ObliqueTiltingStage

AI 801-414

Illuminated Track Stand

AI 100-036

Track Stand

AI 100-037

ArticulatedArmStand

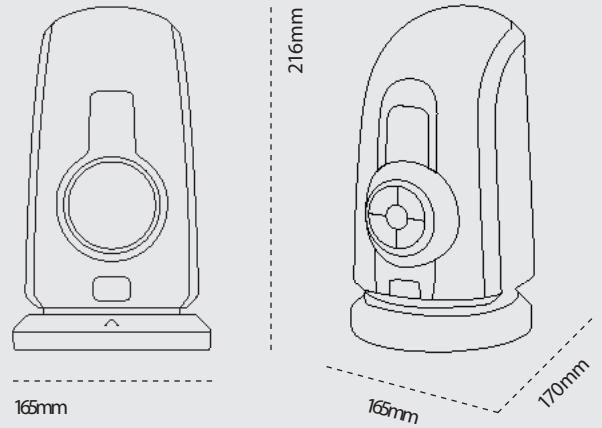
AI 100-039

DualArmBoomStand

AI 100-038

# INSPEX II

Digital Microscope System



## Magnification

	Lens Type	5	10 Plan 1x	25
Optical	Magnification Range (X)	2.2 - 65	4.3 - 131.0	171.6 - 331.0
	X-axis FOV (mm)	245.0 - 8.2	123.0 - 4.0	3.08 - 1.6
	Y-axis FOV (mm)	139.0 - 4.6	71.0 - 2.2	1.7 - 0.9
Digital	Magnification Range (X)	66d - 131.7d	132.0d - 263.9d	332d - 662.4d
	X-axis FOV (mm)	8.2 - 4.02	4.0 - 2.0	1.6 - 0.8
	Y-axis FOV (mm)	4.6 - 2.2	2.2 - 1.1	0.9 - 0.45
	Working Distance (mm)	200	76	35

## Technical Specifications

	INSPEX II
Zoom Range (with supplied +5 Lens)	2.2 - 131.7x
Camera Resolution	1920 x 1080 pixels
Monitor Connections	HDMI / DVI
Monitor Requirements	HD Ready / Full HD (Recommended)
Input / Output	HDMI Output USB 2.0 (x4 Ports) Mini USB Port General Purpose IO (x3 Ports) DC Power Jack 24V
Internal Storage	16GB
Image Capture	Internal Storage Removable USB Image Storage USB on the Go (PC Connectivity)
Power	24W
Dimensions	216mm x 165mm x 170mm
Weight	1.75kg
Operating Temperature	Storage -10°C to +60°C Operating +5°C to +40°C

www.ash-vision.com



Authorized Dealer:  
**Meyer Instruments, Inc.**  
4202 Bear Lodge Court  
Houston, TX 77084  
www.meyerinst.com  
281-579-0342

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.

Ash Technologies Ltd.  
B5, M7 Business Park,  
Naas, Co. Kildare,  
W91 P684, Ireland.

P: + 353-45-882212  
E: info@ashvision.com  
W: www.ashvision.com

