www.yscsystems.com

info@yscsystems.com

omnicore

powering potential from the core



Digital Microscope & Measurement System





info@yscsystems.com

Flexibility to Configure

1921

11/1/2012/2012

Not all inspection needs and requirements are the same. That's why we've developed a **platform to suit a multitude of tasks**





What can Omni Apps do for you?

Increased Workflow, Speed & Efficiency.



Connected

Save time by emailing directly from Omni. Document directly to server or cloud network for traceability



Intuitive

Intuitive mouse and keyboard GUI for simple and familiar user experience. Also recalls images from internal storage



User Control

Create user privileges for ease of operation to meet the skills and tasks of the user



Customise Workflows

Create custom workflows to standardise and control your inspection

Inspection & Measurement Applications

2-D Measurement & Annotation

Accurate measurement and annotation of lines, angles & circles to accomodate a multitude of samples



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

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Focus Stacking

Create a single high resolution image automatically from multiple focal planes making inspection easier and quicker



Image Comparator

Rapidly identify differences between gold samples and test samples to improve Quality Assurance



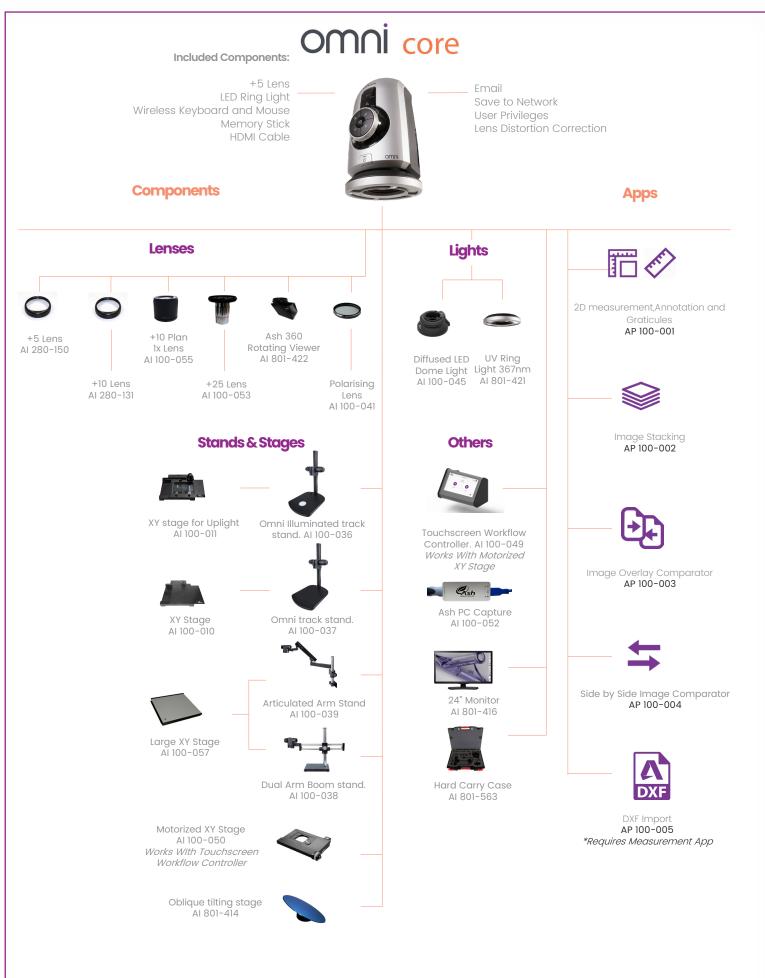
Autocad DXF

Import and modify autocad DXF files to create graticules for overlay comparison with critical parts



System Components

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Industries

The flexibility of Omni core applications enables it to be utilized in a broad range of industries



WWW.yscsystems.com We are passionate about innovation and design

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.

Our awards



reddot award product design winner 2017







Magnification

	+5	+10	+10 Plan 1x	+25
Part Number	AI 280-150	AI 280-131	AI 100-055	AI 100-053
Max Mag	133.1	259.4	266.6	662.4
Min Optical FOV (mm)	231 x 136	60 x 50	71 x 71	3.09 x 1.73
Max Optical FOV (mm)	8.654 x 4.875	4.462 x 2.514	3.992 x 2.24	1.736 x 0.978
Dof @ min zoom (mm)	78	57	40	.025
Dof @ max zoom (mm)	0.5	0.2	0.2	0.01
Working Distance (mm)	200	100	76	35.1
FOV (mm)	3.99 x 2.239	2.047 x 1.149	1.992 x 1.118	1.992 x 1.118

Using a 24" Monitor

Technical Specifications

Zoom Range (with supplied +5 Lens)	2.5 - 122x		
Camera Resolution	1920 x 1080, 30 Optical, 2x Digital		
Monitor Connections	HDMI / DVI		
Monitor Requirements	HD Ready / Full HD (Recommended)		
Input/Output	HDMI Output		
	USB 2.0 Port x4		
	Mini USB Port		
	RJ45 Ethernet Connector (Networking)		
	General Purpose IO Port x3		
	DC Power Jack 24V		
Image Capture	Internal Storage		
	Removable USB Image Storage		
	USB on the Go (PC Connectivity)		
Power	24W		
Dimensions	216mm x 125mm x 136mm		
Weight	1.75kg		
Operating Temperature	Storage -10°C - 60°C		

Operating +5°C - 40°C

- Omni core
- Quadrant Controllable Ring Light
- Lens +5
- Mouse & Mat
- Keyboard
- Power Supply
- HDMI to HDMI Cable
- Mini USB Cable (for PC connection)
- USB Memory Stick
- Grounding Cable
- x2 Arm Brackets (For Standing Mounting)
- Arm Receiver
- + User Manual
- Cleaning Cloth

Package Contents