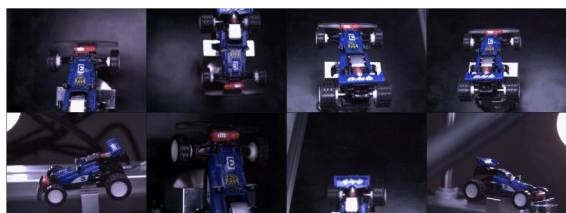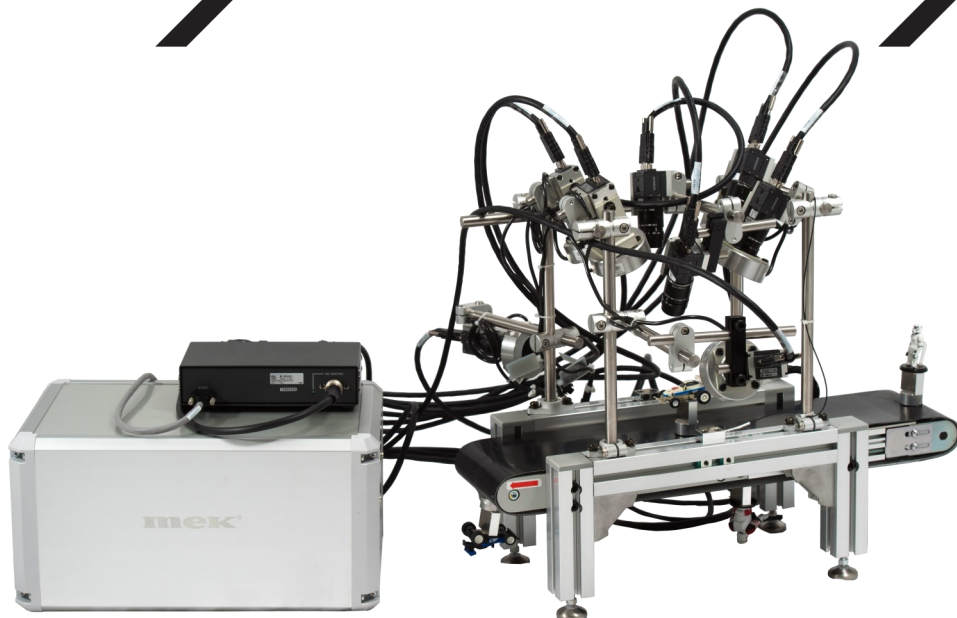# SpiderEye

NEW

Mek SpiderEye Revolutionary new Full Colour inspection technology

Moving Subject Automatic Optical Inspection	Up to 8 cameras per channel. Up to 16 cameras in dual mode. On a Single Computer controller
8 simultaneous images captured	Inspect all aspects of you product in simultaneously
Custom Magnifications	Flexible lens options
Compatible with Telecentric Lenses	Dimensionally stable imaging
Custom Tilt Shift lenses available	Distortion removal and focus correction for angled camera views
3 Channels of illumination control	Allows multi coloured multi angled Lighting. Custom lighting design available
Extensive inspection software included	Pattern matching, True Colour Inspection. Using HSB,Histogram RGB and Grey multichannel detection
Configurable inspection trigger	Simple interface for inspection cycle trigger
Fast Full Colour capture	Up to 30 FPS on all 8 . High speed shutter up too 1/10000s
Inspect from sub millimeter to meters	Standard lens mounts allow for application specific resolution.

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SpiderEye

Specifications	Mek Spidereye
Models	**SE8**
Technology	8 Matrixed Cameras single channel configuration
Characteristics	
Controller	Imac or Mac Mini
Interface	Thunderbolt 20Gbit interface, USB and Camera Link
Magnification	Each camera is separately customizable for magnification
Camera position	Customizable
Control	Custom interface with interlock and trigger compatibility (E stop, Ready signal, and custom cycle start trigger)
Data Collection	Optional SQL and/or XML data collection and storage of inspection results (including images) Full barcode traceability (Datamatrix QR code, Code128 and Code 39), SPC Defect analysis and live production result viewer. Offline Defect review software.
Inspection Algorithms	Pattern matching, OCV, Hue, Saturation, brightness, RGB and grey level Histogram, Distance Measurement, Angle, Uniformity. (inspection logic channels AND/OR)
Lighting control	8 Channel multiple source. Up to 6 lighting modes
Calibration	Fully adjustable. Utilizing Pantone Grey colour Swatches for automatic camera and lighting calibration
Cameras	Mini Camera Link 720P 30FPS, Shutter speed from 1/30s to 1/10000s

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