

MaxEye.Impact

MULTI-PURPOSE SURFACE INSPECTION SYSTEM

High detectability & Defect classification
With wide-range of camera lineup,
the system meets a broad spectrum
of needs for customers.

■ Camera lineup

High speed camera(160MHz), High sensitive camera(Pixel 14 μ m/80MHz)
With wide-range of camera lineup, it is flexibly adaptable
to quality demands for diversity.

■ Defect classification

MaxEye.Impact categorizes defects by means of the characteristic
quantities such as defect area ratio, aspect ratio.
It enables more flexible identification which is close to human senses
and it leads to efficient quality improvements.

■ Priority judgement

Defects are classified on a scale of 1 to 10 according to priority.
By setting the trigger level, such as the external output and the alarm,
on the defect level, the system can be used as a tool for quality control
as well as production control.

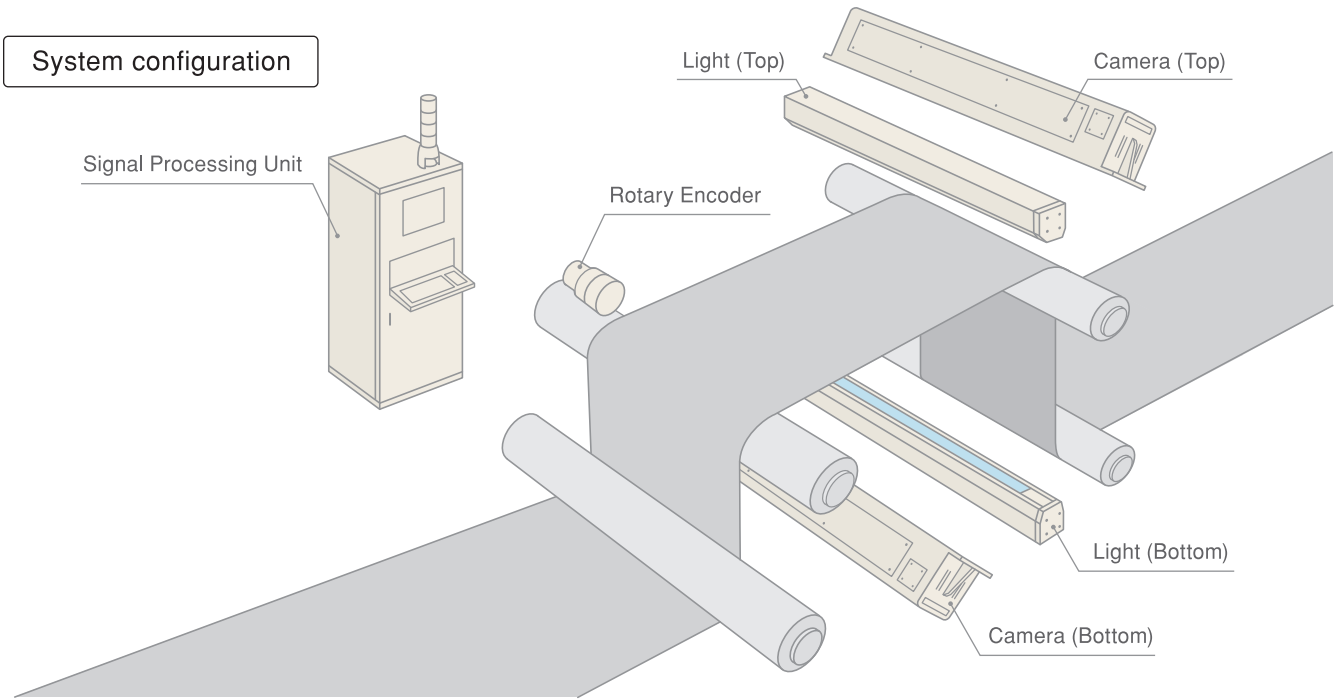
■ Repeating defect/Cluster defect

The source of defects can be analyzed effectively by detecting
repeating defects or clustered defects.
For this feature, the system can be utilized not merely to prevent failure
products but also to produce only quality tools.

■ Reliable inspection system

Reliable and easy-maintenance system is realized by adopting the
built-in board computer and fault-tolerance hard disk.

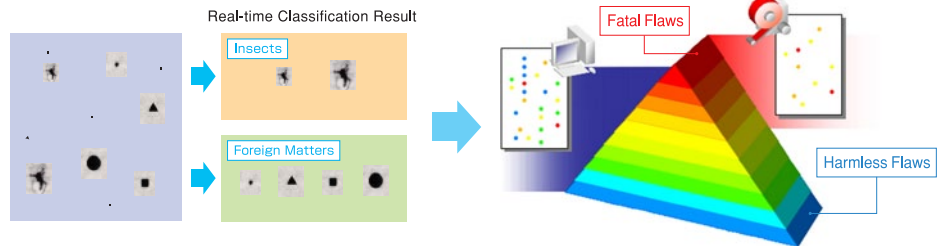




Defect classification / Priority judgement

Applicable line

- Film ● Paper
- Non-woven fabric
- Metal ● Coated film etc.



Camera lineup

Model	Pixels	Data Rate (MHz)	Pixel size (μm)	Characteristics
GMTMx (High Speed Camera)	4000	160	7×7	Specified High Speed Scan Model for minute flaws
	8000	160	7×7	
PCTMx (High Sensitivity Camera)	2000	80	14×14	Low Contrast and minute flaws detectable by High Sensitivity Model
	4000	80	14×14	

SPEC

Camera	2000pix、4000pix、6000pix、8000pix/160MHz 2000pix、4000pix/80MHz 4000pix/40MHz		
Light source	LED line illumination, Halogen lamp, Metal halide lamp, Fluorescent lamp		
Image processing section	Detection Circuit	4 Circuits (Bright and dark thresholds for each circuit.)	
	Defect Judgement	Defect classification by the characteristic quantities (120 types) Repeating defect, Density defect	
Defect image <small>* In the case of 256x256</small>	Storage	Maximum 60,000pcs/lot <small>* Storing lot number may be changed by defect occurrence.</small>	
	Transfer capability	300 images / sec. <small>* In the case that Server function is separated</small>	
	Buffer	1024 images / Cam	
Accessory function	Wave monitor, Setting assist function, Rejudgement function, Assurance function of basic detection, Multilanguage-ready, Self Diagnostic function, HTML output, CSV output		