



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

Max Eye.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.

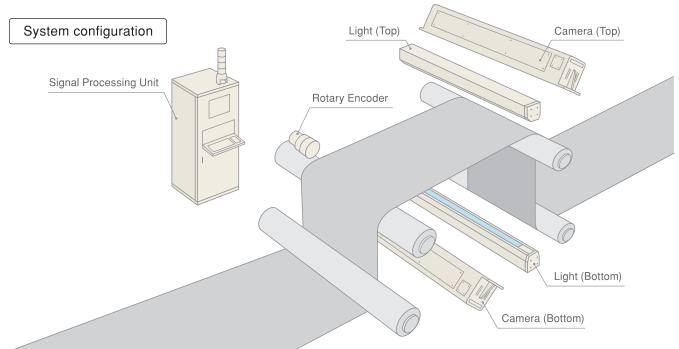
For this feature, the system can be utilized not merely to prevent failure products but also to produce only quality tools.

■ 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.

Real-time Classification Result Harmless Flaws

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 *In the case of 256x256	Storage	Maximum 60,000pcs/lot *Storing lot number may be changed by defect occurrence.			
	Transfer capability	300 images / sec. * In the case that Server function is separated			
	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				



URL:http://www.futec.co.jp ver.1103

- Head Office and Factory
- FUTEC Europe S.r.l
- FUTEC China Inc.
- FUTEC America Inc.

- Malaysia Representative Office Level27 Centrepoint South, The Boulevard, Mid Valley City Lingkaran Syed Putra 59200 KL MALAYSIA TEL:+60-3-2096-9638 FAX:+60-3-2096-9797
- Taiwan Representative Office 5F-10, No.41, Nanjing W.Rd, Datong Dist, Taipei City 10352 TAIWAN TEL:+886-2-2559-6712 FAX:+886-2-2559-6509

1217 Hayashi-cho, Takamatsu, Kagawa 761-0301, JAPAN TEL:+81-87-868-9991 (Overseas div.) FAX:+81-87-865-7250

Room2106, Singular mansion No.322 Xianxia Rd, Shanghai 200336 CHINA TEL:+86-21-5257-4298 FAX:+86-21-5257-4299

Via Gerolamo da Cardano,18 21013 Gallarate (VA) ITALY TEL:+39-0331-792456 FAX:+39-0331-247407

105 Commerce Drive, Suite E, Fayetteville, GA 30214 USA TEL:+1-770-461-0548 FAX:+1-770-461-0558