Mujiken⁺ TypeS

The Mujiken⁺ series—for fast, consistent inspection
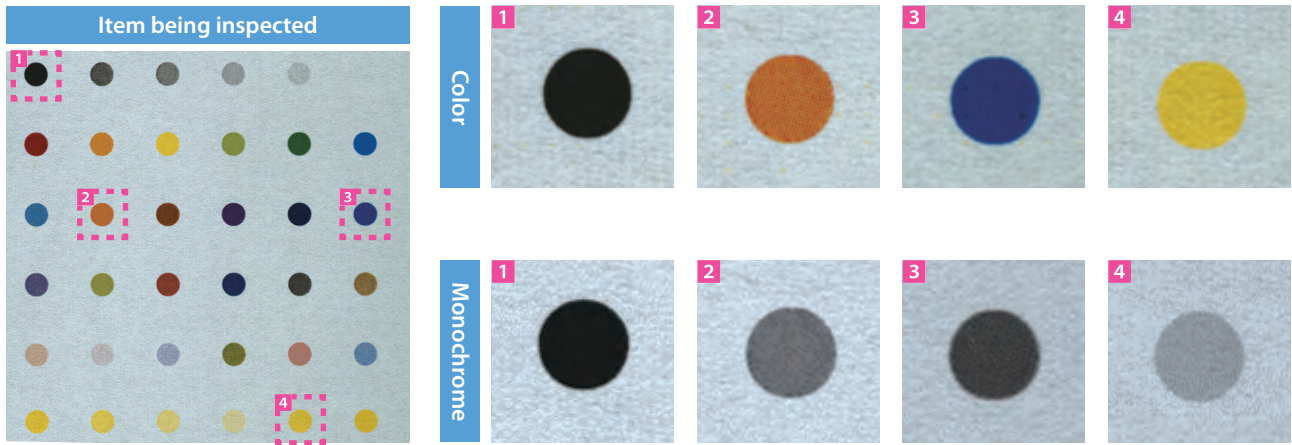## Offers a good choice of functions. Meets a wide range of needs

Ideal for the inspection of production lines of films (used as industrial materials or for food applications)

Makes high-speed scans of the surface of a continuously moving web and detects quality control problems such as dirt, foreign matter, scratches, wrinkles and pinholes. Helps prevent the flow of defects through the manufacturing process. You can also expect a better yield because you will be able to find the causes of defects in your production line.

The Type S has retained the Mujiken+ series' inspection functions, and offers an excellent choice of functions, simple operation, and a compact body. Also supports a color camera.
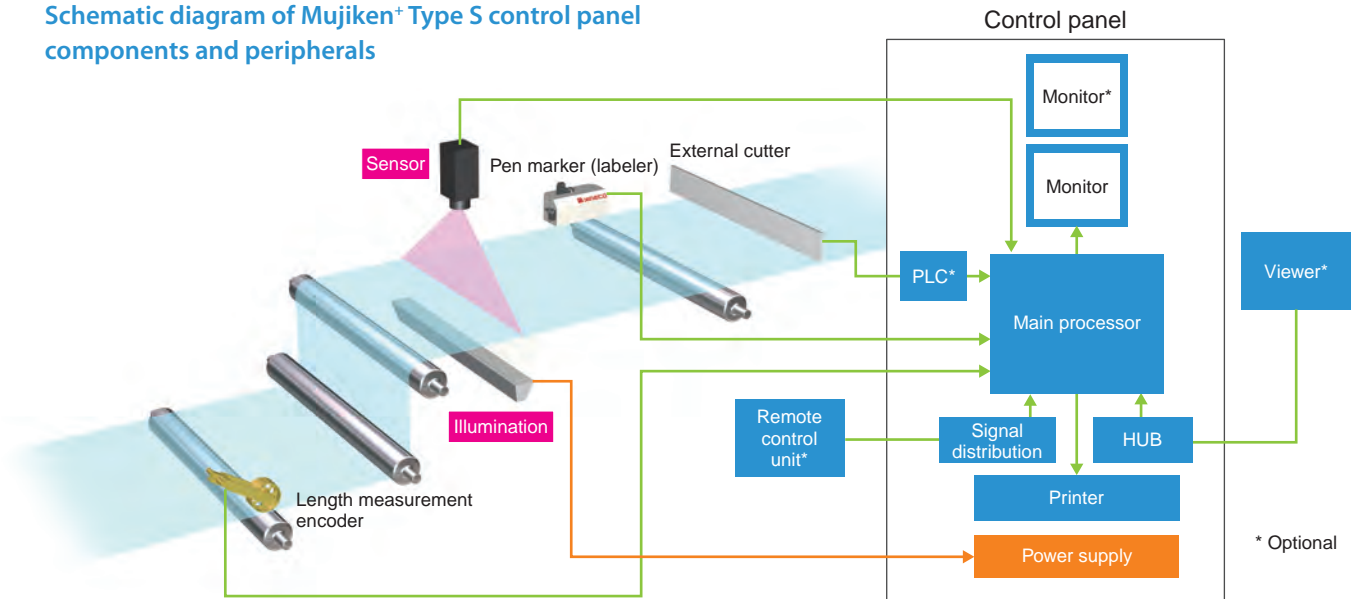
Example of inspection by sensor

Item being inspected

Color

1	2	3	4

Monochrome

1	2	3	4

Example of system structure

Schematic diagram of Mujiken+ Type S control panel components and peripherals

Control panel

Sensor
Pen marker (labeler)
External cutter
Illumination
Length measurement encoder

Monitor*
Monitor
PLC*
Main processor
Viewer*
Remote control unit*
Signal distribution
HUB
Printer
Power supply

* Optional

Mujiken+ Type S specifications

No. of cameras		Max. 8
Input systems		Max. 8
Sensor	Monochrome	16,384 pixels 320 MHz (Max. 10 bits)
		8,192 pixels 320MHz (10bit, MAX12bit)
		8,192 pixels 160MHz (10bit, MAX12bit)
		4,096 pixels 320MHz (10bit, MAX12bit)
		4,096 pixels 160MHz (10bit, MAX12bit)
		2,048 pixels 160MHz (10bit, MAX12bit)
	Color	8,192 pixels 160 MHz (8 bit)
		8,192 pixels 80MHz(8bit)
		4,096 pixels 160MHz(8bit)
		4,096 pixels 80MHz(8bit)

Scanning	Automatic correction to maintain the image density at a constant level (AGLC)
	Shading compensation (offset, automatic tracking correction)
	Binary detection, multi-level detection, color detection (RGB system, IHP system)
Defect detection	Foreign objects (point-like marks, streaks, bubbles)
	Scratches (continuous, discontinuous)
	Color changes (localized, wide-area)
	Stains (monochrome, pale spots), etc.
Scanning function	Real-time display of scanning conditions
	Map display, inspection data display
	Overall control, instructions for starting/stopping inspection, etc.
OS	Windows 7 Embedded 64bit
Monitor(s)	Supports one or two screens