Revised on 2004.1.20

		Breakage inspection	Difference in characters	Color variation/Mixed type	Orientation/Shifted position	Positioning	LED LCD lit
Setting value	**ADJ POS** (Fine adjustment of positioning compensation)	0	1 to 3 — Set to compensate errors in position compensation or distortion.	0	0	0	0
	CMP LACK (Lack of correspondence)	5 to 10 — Set a larger value for smaller amount of pixels to be detected.	5 to 10 — Set a larger value for smaller amount of pixels to be detected.	0 — Change the setting only when a color change of a small part is to be detected.	2 to 10 — Enlarging the value can increase the detection sensitivity without masking edit.	5 to 15 — Enlarging the value can increase the detection sensitivity.	2 to 10 — Set a larger value so that a smaller dots can be identified.
	CMP SENSE (Color gap in correspondence)	10 — Set a larger value for a small difference in color of lacked part.	10 — Set a larger value for a small difference in color between the character and the background.	5 to 15 — Adjust the value so that the color difference is distinctive.	10 — Set a larger value for a small difference in color between the work and the background.	0 to 10 — Set a smaller value so that the color difference between works or backgrounds may not affect the correspondence.	10 — Set a larger value for a small difference in brightness between light on and off.
	DARK CMP (Color darkness compensation)	27 — Decrease the value to distinguish black, gray and white.	0 to 24 — Decrease the value until the characters can be recognized.	27 — Decrease the value to distinguish black, gray and white.	27 — Decrease the value to distinguish black, gray and white.	27 — Decrease the value to distinguish black, gray and white.	10 to 27 — Decrease the value to identify the black color in LCD.
	IMG GAIN (Brightness gain)	0 — Set 0 to reduce noise in the screen.	0 — Set 0 to reduce noise in the screen.	0 — For a work of high-speed moving, set shorter shutter time by increase the set value in advance	0 — For a work of high-speed moving, set shorter shutter time by increase the set value in advance.	0 — Set 0 to reduce noise in the screen.	0 — Set 0 to reduce noise in the screen.
	RESOLUTN (Resolution)	0 — Set fine resolution to detect fine breakage.	0 — Set fine resolution to detect fine breakage.	0 — Set 1 when the response speed needs to be fast.	0 — Set 1 when the response speed needs to be fast	0 — Set fine resolution to increase the detection accuracy	0 — Set fine resolution to detect smaller dots
Teaching	Position compensation	Performs position compensation by work color.	When character or work has a characteristic color, regard it as detection target color to perform position compensation.	When character or work has a characteristic color, regard it as detection target color to perform position compensation.	When a character or a work has a characteristic color, regard it as detection target color to perform position compensation.	Not performed	When a character or a work has a characteristic color, regard it as detection target color to perform position compensation.
	Magnifying compensation (MAGNIFY%)	0 — Not performed since erroneous detection due to error can frequently occur.	0 — Not performed since erroneous detection due to error can frequently occur.	When the distance between work and sensor varies, set a large value to activate the magnifying compensation.	When the distance between work and sensor varies, set a large value to activate the magnifying compensation.	0 — No magnifying compensation is performed.	Since errors cause many defective detections, no rotation compensation is performed.
	Rotation compensation	Not performed since erroneous detection due to error can frequently occur.	Not performed since erroneous detection due to error can frequently occur.	Not performed since erroneous detection due to error can frequently occur.	When rotation at some extent is permitted, register the rotation compensation color, and set the tolerance angle of ROTATE%	No rotation compensation is performed.	Not performed since erroneous detection due to error can frequently occur.
	Masking	Apply masking to the part excluding the crack can improve the detection accuracy.	Apply masking for the part other than the character to be checked, to increase the detection accuracy.	Apply masking for the part excluding the detection part of color difference.	Apply masking for the part excluding the difference due to direction change, to increase the detection accuracy.	Clear the masking for the border for positioning.	Increases the accuracy by masking the part other than the lit part.
	Light detection range edit	When the work surroundings include the same color with the position compensation color, limit the range to exclude the surrounding color from detection	When the work surroundings include the same color with the position compensation color, limit the range to exclude the surrounding color from detection	When the work surroundings include the same color with the position compensation color, limit the range to exclude the surrounding color from detection	When the work surroundings include the same color with the position compensation color, limit the range to exclude the surrounding color from detection	Not applicable	When the work surroundings include the same color with the position compensation color, limit the range to exclude the surrounding color from detection
Others	Brightness (evenness) compensation	Optimum shutter time is written in after carrying out the compensation.	Optimum shutter time is written in after carrying out the compensation.	Optimum shutter time is written in after carrying out the compensation.	Optimum shutter time is written in after carrying out the compensation.	Optimum shutter time is written in after carrying out the compensation.	Optimum shutter time is written in after carrying out the compensation.