

Abstract of the Disclosure

The objective of this invention is to make it possible to generate a window automatically without requiring troublesome manual operations, and by using the window to make it possible to perform a highly accurate inspection for burrs, chips, or the like. The image processing device consists of a TV camera and an image processing unit. Contained in the image processing unit is a window generator unit, which generates a window using a standard image captured from a normal sample. A mask scanning circuit in the window generator unit is used to establish a mask of 3×3 pixels horizontally and vertically in the standard image, to scan the raster, and to output the pixel data for all pixels within the mask to an expansion circuit and shrinkage circuit simultaneously. The expansion and shrinkage circuits perform expansion and reduction processes on the reference image and outputs both results to an exclusive-OR circuit. As a result of this calculation, a long, narrow window is generated which follows the contour of the reference image.

This Sheet Has Been Replaced

