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Machine Vision, or Vision Inspection Systems encompass automated machinery with cameras designed to visually inspect food, beverage or pharmaceutical packages for defects, and errors. These systems have been programed to take a photo of a package on the production line and compare specific inspections against an "ideal" image stored in its memory. ~~Machine Vision ebook~~ How Computer Vision Works **Introduction to Machine Vision Part 1, Definition \u0026 Applications**

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From a structural perspective, below are the standard components of a machine vision system: A camera or cameras Lighting to ensure the image is clear Lens Frame grabber A computer and software, for the analysis and processing of images Pattern matching and other algorithms may be used, depending on ...

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