

IMPORTANCE OF TEXTURE DESCRIPTORS IN PRODUCT MANUFACTURING INSPECTION

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ABSTRACT

This article presents an analysis of the use of texture descriptors extracted from images in the manufacture of products, through inspection with visual systems that incorporate such descriptors. A wide description is made in the industry and the importance in the inspection of pharmaceutical, textile, food and metal surfaces is determined. It also describes the classification methods and the configuration of the environment in the data extraction process, which may include noise if the appropriate lighting characteristics are not taken into account, which results in the limitation of the recognition systems. It also highlights the importance for industries to reduce delivery time, decrease manufacturing costs and defects found in each product.

KEYWORDS: *Inspection of materials, artificial vision, texture descriptors, product manufacturing*

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