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Quality control of white goods parts using robotic technologies

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Abstract

This paper presents a robotized cell that has been developed to automate the quality control process. The combination of innovative software and hardware helps the operators to efficiently perform quality control on parts from the white goods industry. Automation tools, such as robots and mechatronic devices have been integrated on a backend platform which controls and manages the different operations of the resources. These tools perform the quality control on the part, allowing the backend platform to receive the respective signals and ensure its correct functionality. A demonstrator has been setup and described as a use case of the proposed quality control mechanism.

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