

Effective Remanufacturing via RFID

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Abstract

RFID technology has been widely utilized throughout supply chains across a wide spectrum of industries. However, its potential in recycling/remanufacturing has not received much attention in the literature. We consider RFID tags and their applications from a recycling/remanufacturing perspective and propose a novel framework to assist such process based on item-level information visibility and instantaneous tracking/tracing ability enabled by RFID tags. We illustrate the proposed framework for utilizing RFID to improve the remanufacturing diagnosis process as well as to improve the remanufacturing assembly process.