

# Arduino Based Object Sorting System

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**Abstract:** *This paper presents an Arduino-Uno-based object sorting machine designed for efficient sorting of items, particularly suited for warehouses and industries dealing with large quantities of items like glass bottles. The machine offers time and cost savings by automating the sorting process, reducing reliance on manual labor. With an average sorting time of 6 seconds per object, it's a viable solution for industries employing Mechatronics systems.*

**Keywords:** Arduino-Uno, object sorting, Mechatronics, automation, efficiency

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