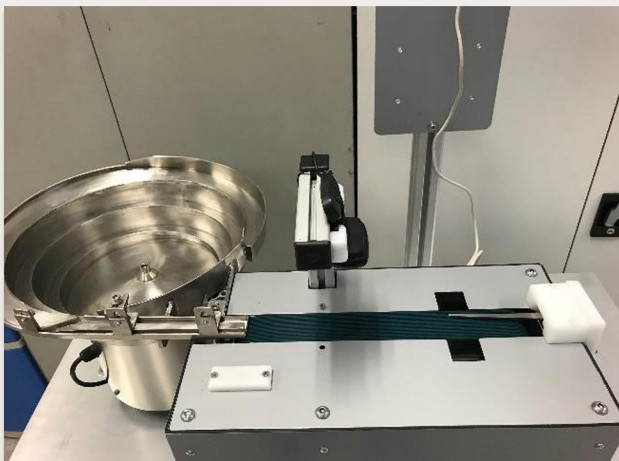# AI Enabled Coin Sorting Machine

Technology Overview

This technology leverages on AI (machine learning) to automate the coin sorting process at integrated security companies. Currently, the process is performed manually to sort out coins that are in good condition from those that are in bad or soiled/stained condition.

Features & Specifications

The coin sorting machine comprises of an automatic coin feeder, a machine learning enabled coin condition identification system and an automatic coin sorter. The machine learning enabled coin condition identification system is based on convolutional neural network and is able to identify good and poor condition coins with an accuracy of more than 95%. The coin sorting machine can sort coins at a rate of approximately 1 coin per second.

Customer Benefits

This machine has an accuracy comparable to a human operator. In addition, it is able to operate continuously (24/7) and is not subjected to (human) fatigue.

Potential Applications

This machine is useful to the coin management industry to automatically sort coins according to their conditions, thus alleviating manpower needs.

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