

MICROPS C

Intelligent coin classification and sorting

MICROPS X/Xi

Intelligent blank and minted coin inspection



Sorting by currency



Sorting by year



Sorting by design

An automated, stand-alone and lightweight visual inspection machine for both classification and sorting of minted coins including circulation and commemorative coins, as well as medals. Achieved using state-of-the-art machine vision technology for high speed sorting.

While employing precision technology and highly autonomous operation, Microps C remains both minimalistic and cost-effective.

A number of deep learning and enhanced design matching techniques are used to classify the coins, including but not limited to alloy, currency, denomination and feature (e.g. year minted, mint mark and design).



Dual sided concurrent inspection, allowing for 100% surface, shape, thickness and mint inspection. This novel patent pending design is compact in footprint, and significantly reduced in complexity.

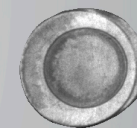
Blank and minted coins (including circulation coins, commemorative coins and medals of all metals, alloys and polymers) can be checked up to 3,000 coins per minute with an accuracy up to 10 microns.

Employing the latest machine learning technology and highly autonomous and intuitive operation, the systems remain both minimalistic and extremely cost effective.

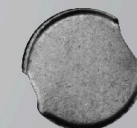
The system comes in two models depending on intended purpose:

Microps X: Stand-alone blank and minted coin inspection

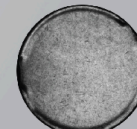
Microps Xi: Inline blank and minted coin inspection



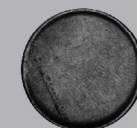
Eccentricity



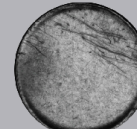
Irregularity in shape



Rim Defect



Surface (Discolouration)



Surface (Impact)