



MICROPS

Intelligent coin classification and sorting

Why? How?

Reduce Operating Costs

- Minimal operator assistance

Improved Efficiency

- Improved speed and accuracy
- Inspection rate up to 300 coins or medals per minute (standard configuration)

Save Time

- Replace the cumbersome process of manual checking and sorting

www.spookfish.co.uk | innovate@spookfish.co.uk | +44 (0)1179 639663

VISION INTO PERSPECTIVE

MICROPS C

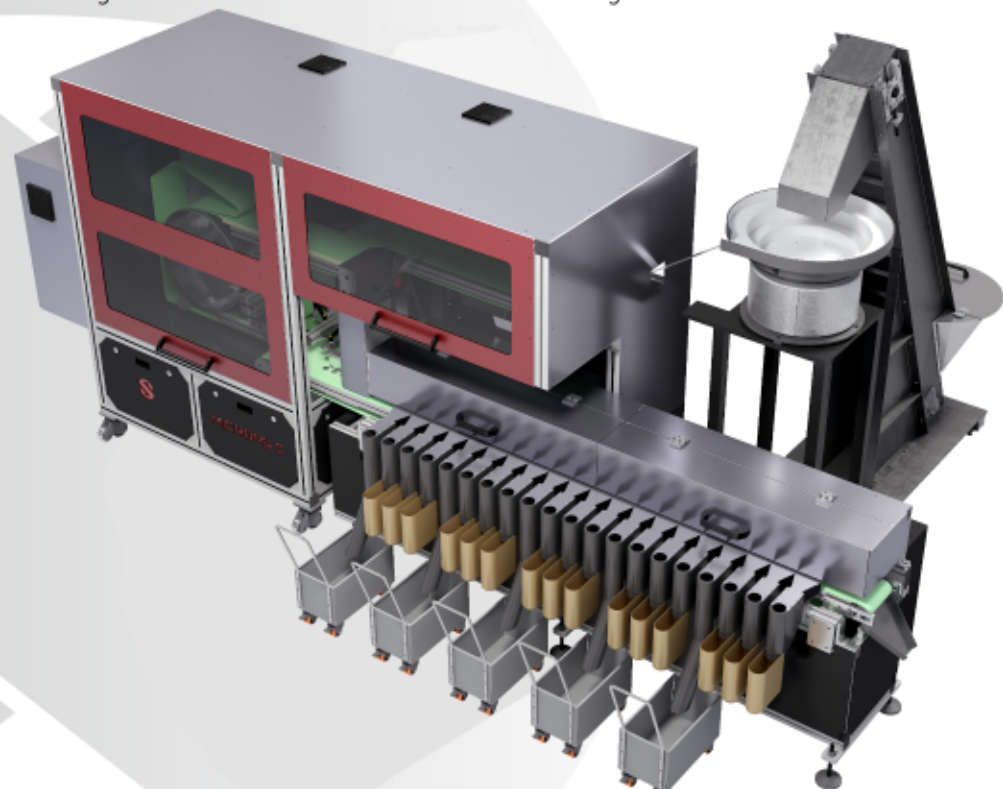
Intelligent coin classification and sorting

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.

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

A number of deep learning and enhanced pattern matching techniques are used to classify the coins, including but not limited to alloy, currency, denomination and feature.

Microps C, the next generation of coin classification and sorting.



Features

High speed and high accuracy

- Up to 300 coins per minute (standard configuration)
- Up to 20 sorting stations
- Accurate classification and sorting of circulation and commemorative coins, as well as medals
- Dual-sided inspection of each coin

Flexible and remote operation

- New coin variants can be taught automatically
- Ability to sort any number of coin variants, materials and shapes
- Fully configurable sorting based on alloy, currency, denomination or feature e.g. year minted, mint mark and design
- Real-time statistics and historical analysis can be viewed remotely on phone, tablet or computer

Compact and accessible

- Minimalistic lightweight design
- Ease of maintenance

Wide range of coins

- 12 to 38 mm coin diameter
- 1 to 5 mm coin thickness
- Supports >100 litre coin loads
- All metals (steel, nickel, copper, bimetallic, silver, aluminium etc.)
- All shapes (circular, ringed, scalloped etc.)

Operator friendly

- Conveyor and a guiding system for autonomous inspection
- Intuitive yet simplistic interface
- Minimal training required for smooth operation

Self-cleaning camera system

- Intelligent design allows continued robust operation, even in harsh environments
- Minimal or zero interruption to production

Input - Mixed coins



Output 1 - Coin sorting by alloy



Output 2 - Coin sorting by currency



Output 3 - Coin sorting by denomination



Output 4 - Coin sorting by feature e.g. design

