

# AUTOMATIC VISION INSPECTION MACHINE CODE AVIM

AUTOMATIC INSPECTION OF LARGE  
QUANTITIES OF WORKPIECES

SIZES MEASUREMENT AND  
DETECTION OF SURFACE DEFECTS

AUTOMATIC SORTING

CUSTOM-MADE

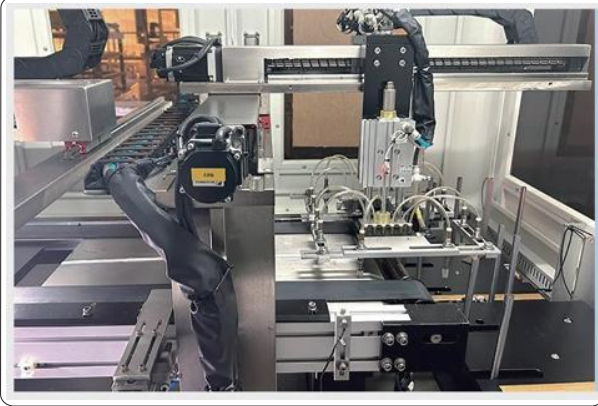


- For testing fasteners, mobile phone parts, plastical products, electronic components and special-shaped hardware, etc
- Can be equipped with laser, marking, automatic counting and packing, automatic feeding, eddy probe (detecting heat treatment)

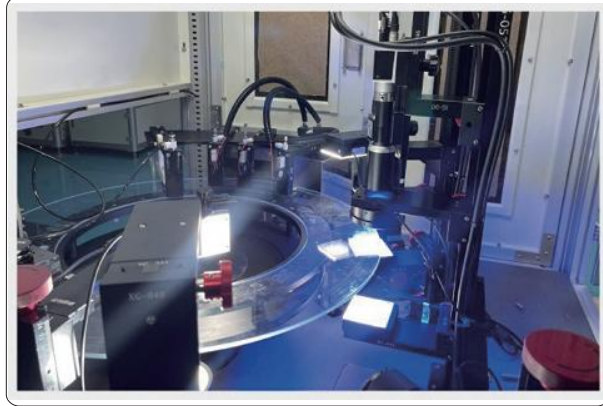
## SPECIFICATION

Head diameter of workpiece	1-25mm
Height of workpiece	1-40mm
Sorting accuracy	$\pm 0.005 \sim \pm 0.02\text{mm}$
Air pressure	5kg/cm <sup>2</sup>
PC mainframe	industrial computer
Digital camera	8 sets of industrial cameras (to be determined according to the actual situation)
Weight	800kg
Dimension (L×W×H)	1500×1100×1800mm

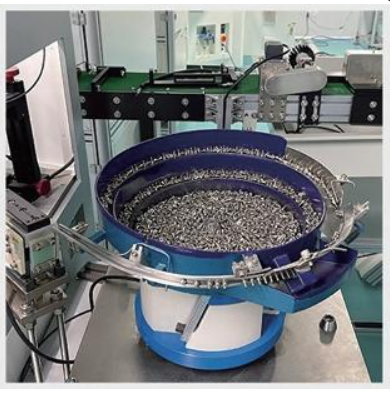
## INTERNAL STRUCTURE



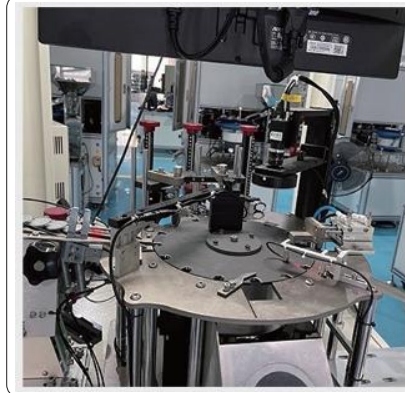
electrical system



glass sorting plate



vibratory feeder loading



turntable structure

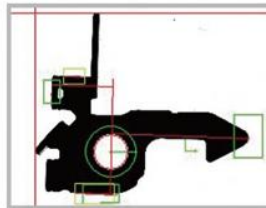


multiple cameras detection

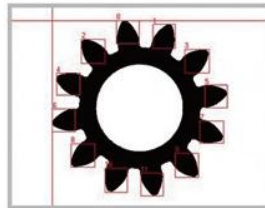
## PARTS EXAMPLE



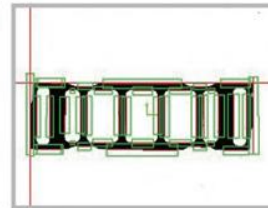
burr in hole



special stamping



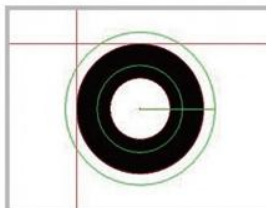
number of tooth



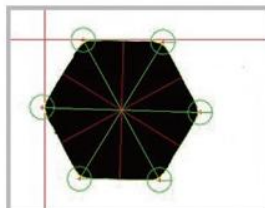
special hardware



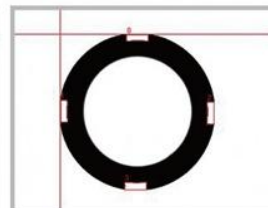
cross recess excess material



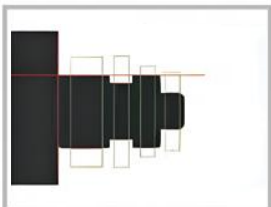
concentricity, roundness



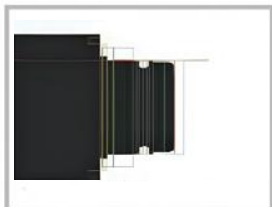
diagonal, opposite side



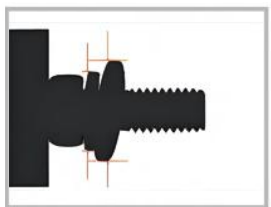
gap



multi-width



multi-height



gasket



welding height

## APPLICABLE PRODUCTS



precision screws



nuts



automotive fasteners



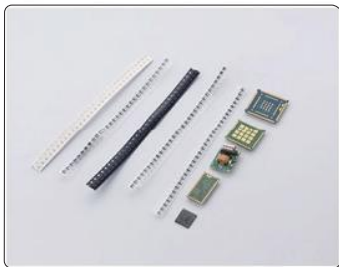
new energy parts



electronic products



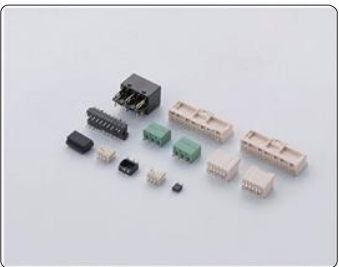
plastic or rubber parts



semiconductor workpieces



magnetic products



connectors



powder metallurgy



capacitance resistances



electronic cigarettes