

AUTOMATIC VISION INSPECTION MACHINE CODE AVIM

AUTOMATIC INSPECTION OF LARGE
QUANTITIES OF WORKPIECES

AUTOMATIC
SORTING



SIZES MEASUREMENT AND
DETECTION OF SURFACE DEFECTS

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

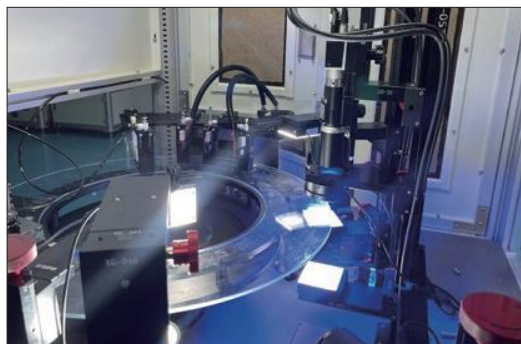
Diameter of workpiece	1-25mm
Height of workpiece	1-40mm
Sorting accuracy	$\pm 0.005 \sim \pm 0.02\text{mm}$
Air pressure	5kg/cm ²
PC mainframe	industrial computer
Digital camera	8 sets of industrial cameras (to be determined according to the actual situation)
Weight	800kg
Dimension (L×W×H)	1500×1100×1800mm



INTERNAL STRUCTURE



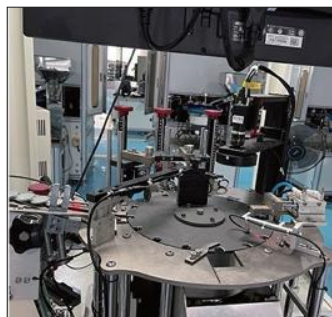
electrical system



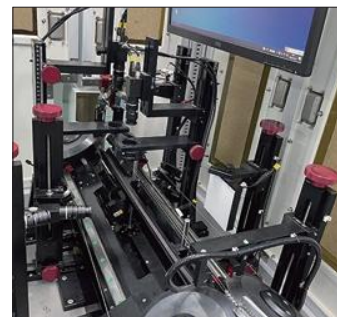
glass sorting plate



vibratory feeder loading

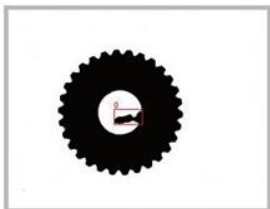


turntable structure

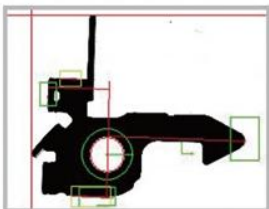


multiple cameras detection

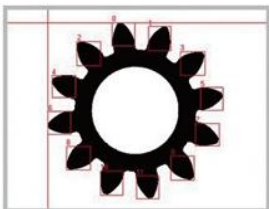
PARTS EXAMPLE



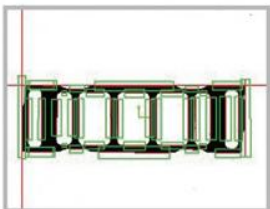
burr in hole



special stamping



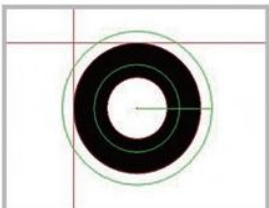
number of tooth



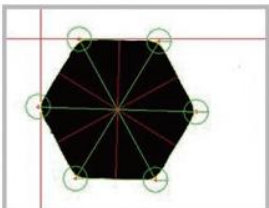
special hardware



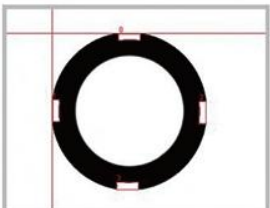
cross recess excess material



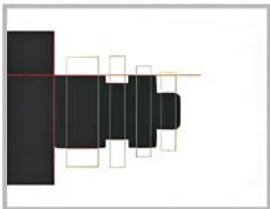
concentricity, roundness



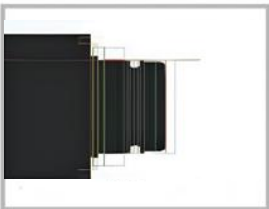
diagonal, opposite side



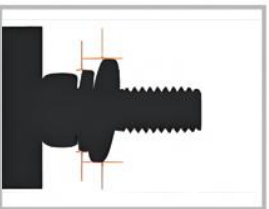
gap



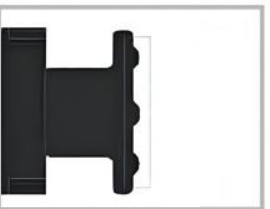
multi-width



multi-height



gasket



welding height

PRODUCT EXAMPLES



precision screws



nuts



automotive fasteners



powder metallurgy



new energy parts



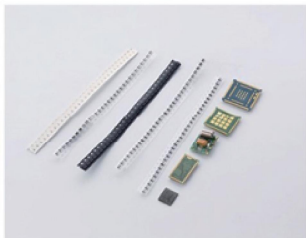
electronic products



plastic or rubber parts



capacitance resistances



semiconductor workpieces



magnetic products



connectors



electronic cigarettes