

MORE OPTIONS | MORE FLEXIBILITY | MORE PRODUCTIVITY

ABOUT OUR **AV-D100 SERIES**

Rotary Dial Inspection Systems

Inspection | Assembly | Customizable

Every machine built today has a designed purpose with desired results. To make a machine that “can do it all” would be virtually impossible, but the goal of the AV-D100 series is to allow for the most customization possible.

Over the years, we have standardized this machine and created a long list of options and customizations to give our clients the best machine possible. The AV-D100 series is a rotary dial system that rotates the parts and presents them to multiple stations. This allows us to use this series for inspection, assembly, automation, manufacturing, and more!

In accomplishing this goal, we have separated this series of inspection machines into two different models:



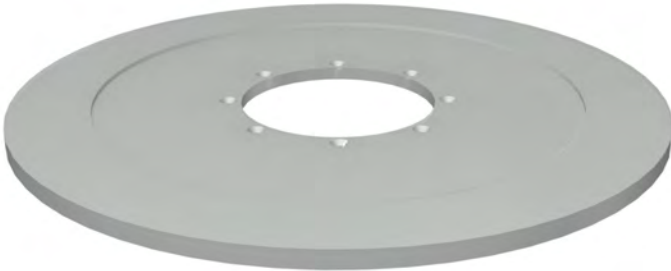
AV-D100-S SLOTTED DIAL



POLY AND STEEL DIALS



AV-D100-F FLAT DIAL



POLY DIALS

MACHINE INFO

PRODUCT

AV-D100-S

- Bolts
- Ball Studs
- Screws
- Nuts
- Rivets
- Machined Parts
- More!

AV-D100-F

- Washers
- Nuts
- O-Rings
- Machined Parts
- Coins
- Ammunition
- More!

PART SPECS

Length: Up to 10"
 Diameter: Up to 1.5"
 Requirements:
 - Fit in a slot or
 Hang by the head

Length - Up to 3"
 Diameter - Up to 3"
 Requirements:
 - Sit on a flat surface

MACHINE SPECS

Height: 7'
 Width: 10'
 Depth: 4'
 Weight: 1900 lbs.
 Requirements:
 - Power: 110v
 - Air: 85 PSI
 (Includes Feeding)

Height: 7'
 Width: 10'
 Depth: 4'
 Weight: 1700 lbs.
 Requirements:
 - Power: 110v
 - Air: 85 PSI
 (Includes Feeding)

PERFORMANCE

Speed: 150-500 PPM
 Tolerance: +/- .001"

Options:
 - Packaging system
 - Bulk Feeding system
 - Head inspection
 - 360° Inspection
 - MORE!

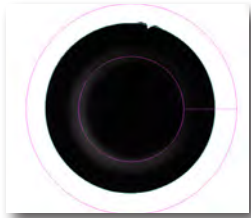
Speed: 250-700 PPM
 Tolerance: +/- .001"

Options:
 - Packaging system
 - Bulk Feeding system
 - Head inspection
 - Surface inspection
 - Hardness Testing
 - MORE!

COMMON DEFECTS

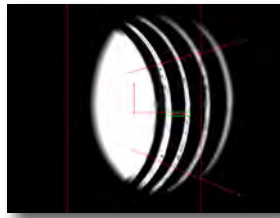
1. CRACKS

Cracks can be tricky. We use vision to remove this defect.



2. THREADS

MIN/MAX thread pitch, Spiral threads, damaged threads, etc.



3. SURFACE DEFECTS

Dented parts, markings, plating problems, and more.



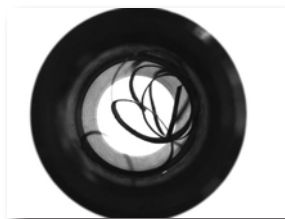
4. BODY PROFILE

Check dimensional characteristics from a profile of the body.



5. FOREIGN MATERIAL

Check to make sure there is no foreign material getting through.



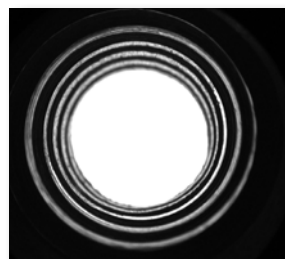
6. OCR

Read part codes, head markings, numbers, letters, and more.



7. 360° INSPECTION

Trace internal threads, look for surface defects, and more.



8. PLATING PRESENCE

Determine if your parts have been plated properly.

