

# Measurement of gap distance on workpiece

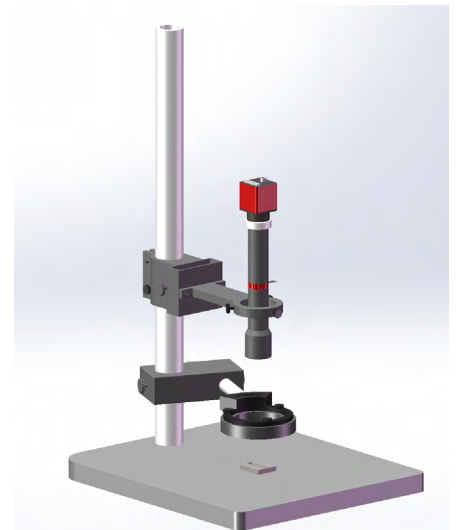
**Application:** Measure the tiny gap distance on workpiece with vertical type installation

**NEW TRY Products:** Telecentric lens(VWH20-110AT-G)  
+ Ring light(NTR-C90W-P)

- C Mount Megapixel object side telecentricity;
- <0.1% distortion;
- Clear image on workpiece;
- Even and bright illumination;
- Distinct contour of workpiece edge.

**Camera:** SONY XCG-5005E, 2/3", 3.45um,5MP

- Resolution (H x V) 2448x2050px



## Test conclusion:

- Accuracy: Depending on different cameras resolution and image areas.  
4.228mm × 3.54mm < 0.002mm with 2448x2050 pixels.
- Performance: Clear imaging of workpiece with high contrast of workpiece edge makes it easy to measure the distance of gap.
- Test image: Achieved image with high definition and contrast.

