Leica S6D Stereomicroscope

Capability/Application
The Leica S6D stereomicroscope with 6.3:1 zoom and integrated video/photo port allows easy, fast documentation for assembly, quality control, OEM and research applications. Adjustable zoom stops allows fast, easy, repeatable measurements and inspections.

The large field of view up to 36.5 mm and high depth of field, reduces sample handling and improves inspection times. Ergonomic 38° viewing angle helps increase productivity, reduce fatigue related inspection errors and acquire precise positioning while working with incident light. The integrated documentation port allows to connect digital cameras.

Specifications
Sample stage: 6”x4” manual XY stage
Objectives: 1x, 0.63x, 0.32x
Zoom range: 0.63x ~4.0x
Illumination: LED spot light, LED ring light
Oblique observation: 45° angle image rotator, 150mm cup stage
Digital camera: DFC295 (3M pixels)
Software: Leica LAS for measurements and live XYZ Builder
Example application images

![Inspection for stacked die bonding](image1)

![Inspection for package crack](image2)

Equipment manufacturer web page

https://www.leica-microsystems.com/products/stereo-microscopes-macroscopes/p/leica-s6-d/

Youtube demo videos

https://www.youtube.com/watch?v=x2RUoNd5LdQ