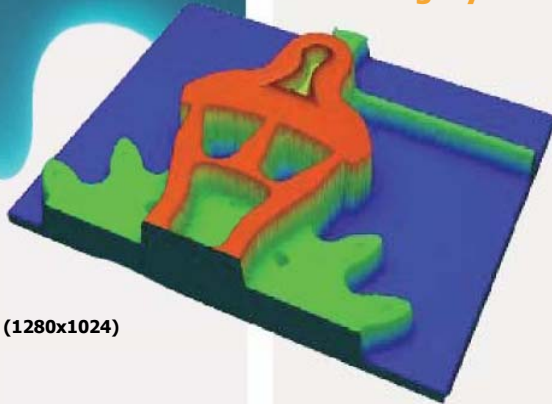


AJI-200 Inspection

**Accurate, Flexible
3D Imagery**



Specifications

Inspection Modes

Standard:

Advanced Confocal Microscopy
Episcopic Brightfield/Darkfield
White Light Source

Optional:

Diascopic
Epifluorescence
DIC/Nomarski
Interferometry

Objectives

Nikon LU Plan Epi BD
5x, 10x, 20x, 50x, 100x

Illumination

High pressure 120V metal halide short arc
12V-50W Halogen

Stage Options

Standalone:

100 x 150 mm, 150 x 150 mm,
200 x 200 mm, 300 x 300 mm
Coarse/fine movement changeover
Fixed position X/Y fine movement control

Camera

High resolution 1.3 megapixel (1280x1024)
Firewire digital interface
12.7 fps at 1280x1024

Field of View

.05 to 1.7 mm – see objective chart

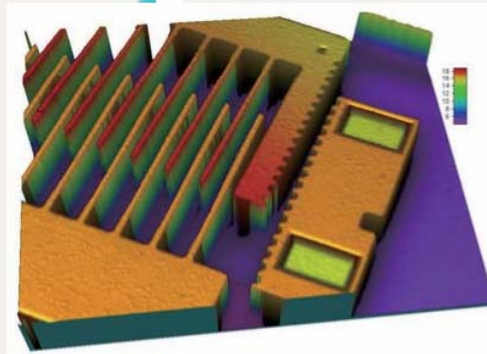
Performance

Vertical Resolution: 20 nm*
Lateral Resolution: 0.3 to 2 μm

Repeatability:

X/Y: 0.2% or 10nm (1σ)
Z: 1% or 20nm (1σ).

* Objective dependant – see chart



Objective	N.A.	WD (μm)	Field of View (μm)	Metrology Resolution (nm)	
				Lateral	Axial
5x	0.15	18.0	1900 x 1500	70	400
10x	0.25	15.0	950 x 750	40	150
20x	0.45	4.50	480 x 380	23	50
50x	0.8	1.0	190 x 150	13	26
100x	0.9	1.0	95 x 75	10	20

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