

SEMICAPS SOM

SCANNING OPTICAL MICROSCOPY



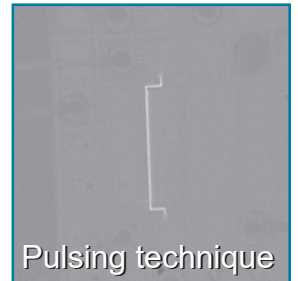
SEMICAPS SOM 4000

Features

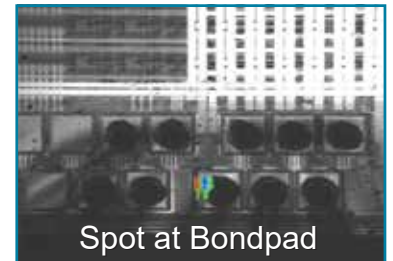
- Lasers options - 1340 nm/1122 nm/1064 nm with laser scan array size up to 2k x 2k
- Multiple techniques available
 - static: TIVA, OBIRCH
 - dynamic: LADA, SDL
- High power delivery >30 mW at DUT for all objectives including 100x
- Laser Pulsing technique: 10x improvement in sensitivity
- Pixel by pixel flexible scanning mode with user defined multiple AOI
- Modular platform, field-upgradeable to LTP option
- Flexible and customizable
- Refractive Solid Immersion lens (RSIL) options
- Option to mount PEM cameras (InGaAs, TE-cooled, LN2)



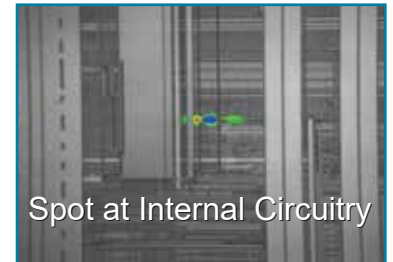
Conventional TIVA



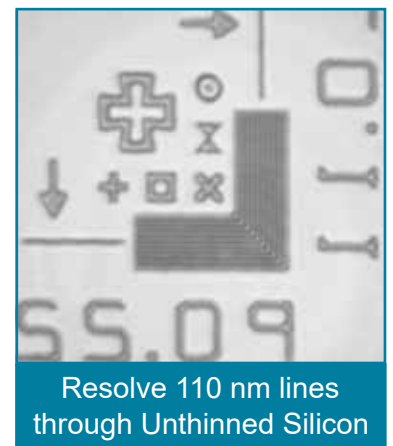
Pulsing technique



Spot at Bondpad



Spot at Internal Circuitry



Resolve 110 nm lines
through Unthinned Silicon