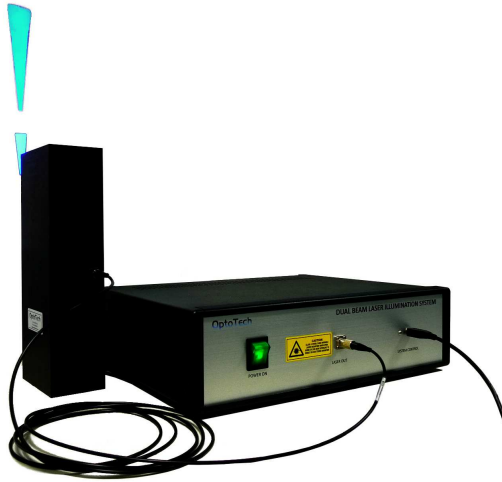


Dual Laser Beam High Intensity Surface Inspection System



Applications:

- non-contact metrology

Functional Specifications:

- the system is designed for non-contact metrology applications
- the system illuminates a surface with a custom shaped laser beam from two different angles, in a stroboscope like time sequence
- the two beams create the same geometrical pattern on the target surface in a pre-defined position
- the detection of the scattered signal is achieved with a camera

Performance Specifications:

- laser wavelength 405nm (customer selected)
- stroboscope rate up to 1KHz
- laser power up to 5W
- customer selected illumination pattern
- sub-micron defect or particle size detection capability

Interfaces:

- Computer based graphical user interface (GUI)
 - USB communication with computer
 - BNC for external synchronisation
 - FC PC connector for optical fibre
 - ON / OFF switch
 - Operating voltage: 240V / 110V
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