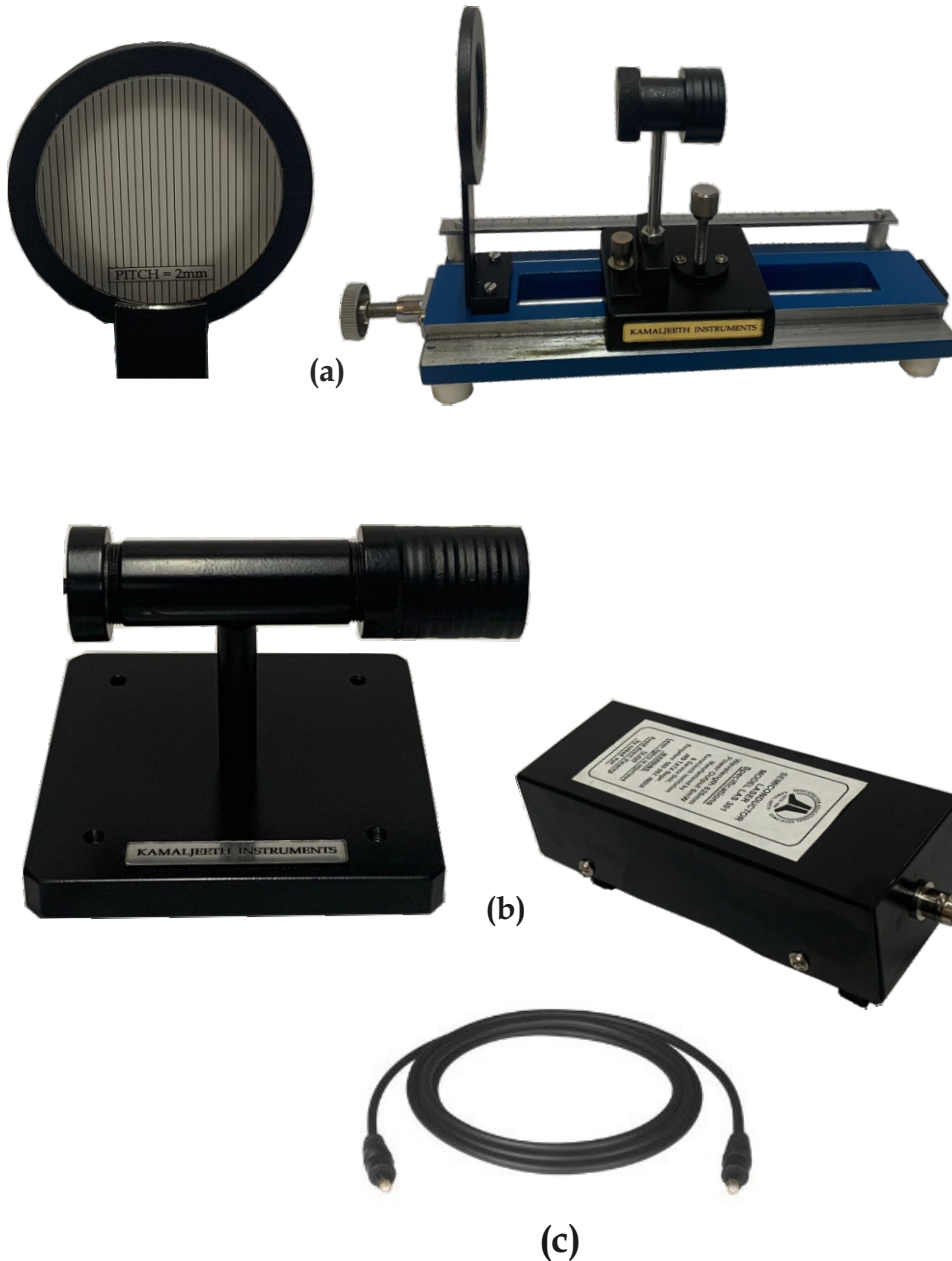


## Experiment(s):

### 1. Determination of Numerical Aperture and Divergence Angle of OFC

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



## Experiment Setup Consists:

- a) X-Y Bed
- b) Laser & Power Supply
- c) OFC Cable 1.5m

## Specifications:

### a) X-Y Bed:

Bed Length: 220 mm  
Screen: 35mm dia  
Graduations on screen: 2mm  
Movement: Course and Fine using screw movement

### b) Laser:

Type: Semiconductor Diode Laser

Wavelength: 625nm (Red)

Output Power: 3mW

Mount: Cast Iron Base with levelling screw

### Power Supply:

Output: Suitable for 3mW & 5mW

Semiconductor Lasers

Input: Mains operated 220V, 50Hz or 110V, 60Hz

### c) Optical Fibre Cable (OFC)

Length: 1.5m or 3m

Core dia of the cable: 0.5mm

Reference : Lab Experiments Journal vol-9, No.3, Page-212



## KAMALJEETH INSTRUMENTS

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