

OPTICS BENCH FOR SAMPLE MEASUREMENT

VERTICAL TYPE OPTICS BENCH

This is vertical setting optics bench for optical measurement optics **M-Scope series**. Rough position adjustment function in Z axis is equipped so that it is easy to adjust focusing for various uneven sample. As sample holders and stage system can be designed and selected based on device shape, the measurement system is easily configured.

[Summary of specification]

- Loading capacity of optics installation part: approx. 5 kg
- Motion range of Z axis rough position adjustment: approx. 80mm

OPTICS BENCH FOR FIBER MEASUREMENT OP002-F3/OP002-F5

This is optics bench for optical measurement optics **M-Scope series**, especially for optical fiber sample measurement. As manual 3-axis (or 5-axis) stage for fiber position adjustmet is equipped, it is easy to adjust measurement position of fiber sample in NFP/FFP and various beam profile measurement.

[Optics bench for optical fiber measurement with manual 3axis stage OP002-F3]

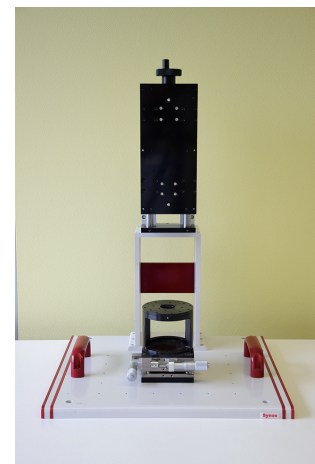
- Stage system for fiber position adjustment: Manual 3-axis (XYZ axis)
- Motion range of XYZ-axis stage: $\pm 6.5\text{mm}$
- Minimum readout: $10\mu\text{m}/\text{scale}$
- Fiber adaptor: FC connector(standard), SC connector and other type fiber connector (option)

[Optics bench for optical fiber measurement with manual 5axis stage OP002-F5]

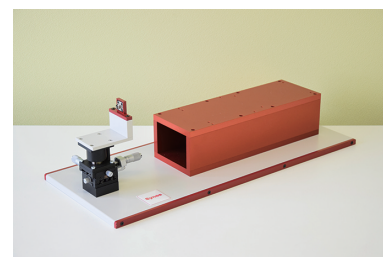
- Stage system for fiber position adjustment: Manual 5-axis (XYZ+ $\theta_x\theta_y$ axis)
- Motion range of XY-axis stage: $\pm 6.5\text{mm}$
- Motion range of Z-axis stage: $\pm 3\text{mm}$
- Minimum readout of XYZ-axis: $10\mu\text{m} / \text{scale}$
- Motion range of $\theta_x\theta_y$ axis stage: $\pm 15^\circ$
- Fiber adaptor: FC connector (standard), SC connector and other type fiber connector (option)

[Compatible optics for OP002 · OP002-F3 · OP002-F5 (common)]

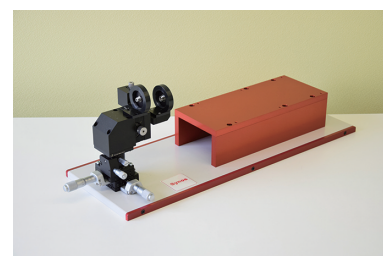
- Synos' optical measurement optics **M-Scope series**
 - Sophisticated optical measurement optics **M-Scope type I seires**
 - Simplified optical measurement optics **M-Scope type J series**
 - Optical beam NFP measurement optics **M-Scope type S, M-Scope type L**
 - FFP measurement optics **M-Scope type F, M-Scope type FW**
 - Collimated beam measurement optics **M-Scope type C**
 - NFP/FFP simultaneous measurement optics **M-Scope type D**
 - Underfilled launch optical system **M-Scope type G**
 - Mode selective launch optical system **M-Scope type ML**
 - NFP measurement optics for high power laser **M-Scope type HS, M-Scope type HL**
 - FFP measurement optics for high power laser **M-Scope type HF**
 - Polarization measurement module **PMD002/POL**



Vertical type optics bench OP002



Optics bench for fiber measurement with 3-axis manual stage OP002-F3



Optics bench for fiber measurement with 5-axis manual stage OP002-F5

COAXIAL EPI-ILLUMINATION SYSTEM

LED Coaxial epi-illumination system

This is LED type coaxial epi-illumination unit. In combination with Synos' CCD detector and optical measurement optics **M-Scope series** with coaxial epi-illumination port, it is possible to observe microscopic image of object, such as edge image of optical fiber, optical waveguide module, and so on. There are monochromatic light type (465nm, 520nm, 645nm, 850nm, etc.) and white light type.

[Summary of specification]

Model	Wavelength	Head shape	Tip diameter	Controller type
LS-EL001/R	Red (630nm)	Cylindrical (or L-shape)	$\phi 8\text{mm}$	CCS PJ-1505-2CA
LS-EL001/W	White (CCT5600K)	Cylindrical (or L-shape)	$\phi 8\text{mm}$	CCS PJ-1505-2CA
LS-EL001/BL	Blue (465nm)	Cylindrical (or L-shape)	$\phi 8\text{mm}$	CCS PJ-1505-2CA
LS-EL001/GR	Green (520nm)	Cylindrical (or L-shape)	$\phi 8\text{mm}$	CCS PJ-1505-2CA
LS-EL002L/860	860nm	L-shape	$\phi 8\text{mm}$	CCS PJ2-1505-2CA-PE
LS-EL002L/950	950nm	L-shape	$\phi 8\text{mm}$	CCS PJ2-1505-2CA-PE



LED coaxial epi-illumination light source LS-EL001