

HIGH POWER LASER NFP MEASUREMENT SYSTEM

Optical beam profile measurement system especially for high power laser application.

[Product overview]

High power laser NFP measurement system is optimized especially for optical beam profile measurement of high power laser.

Synos' **M-Scope type H**, NFP measurement optics for high power laser, is adopted as NFP measurement optics in this system. In combination with **M-Scope type H**, imaging detector and image processing system, it is widely applicable for NFP & optical beam observation, measurement and analysis of high power laser and related module, component.

This system covers measurement wavelength of 400nm - 700nm.

[Feature]

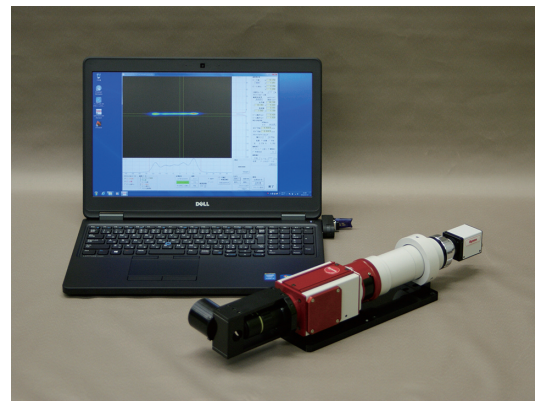
- * Synos' **M-Scope type H**, NFP measurement optics for high power laser, is adopted as NFP measurement optics
 - Beam sampler and ND filter for attenuation of high power laser
 - Equipping coaxial epi-illumination port for image observation
- * This system covers 400nm - 700nm wavelength range
- * **ISA011**, high resolution digital CCD detector, is selected as imaging detector
- * Optical beam analysis module **AP013**, specially designed high-functional image processing system for optical beam profile analysis
 - Essential and useful functionality for NFP, FFP, beam profile analysis, EF/EAF analysis are equipped in Synos' original optical beam analysis software **Optometrics BA Standard**.

[Main component]

- * NFP measurement optics selection
 - NFP measurement optics for high power laser **M-Scope type H**
 - **About NFP measurement optics for high power laser in details, please refer to P11.**
- * Image sensor selection (recommendation)
 - For visible - 1100nm : Synos' Hi-resolution digital CCD detector **ISA011**
 - **About high resolution digital CCD detector in details, please refer to P27.**
- * Optical beam analysis module **AP-013**
 - Personal Computer system for data analysis
 - Image processor board & interface board set
 - Optical beam analysis software : **Optometrics BA Standard** (Optometrics BA Standard main program, calibration data set, driver and I/F software for imaging detector)
 - **About AP013 in details, please refer to P24.**
- * Standard accessories
 - Cables, manuals

[Application]

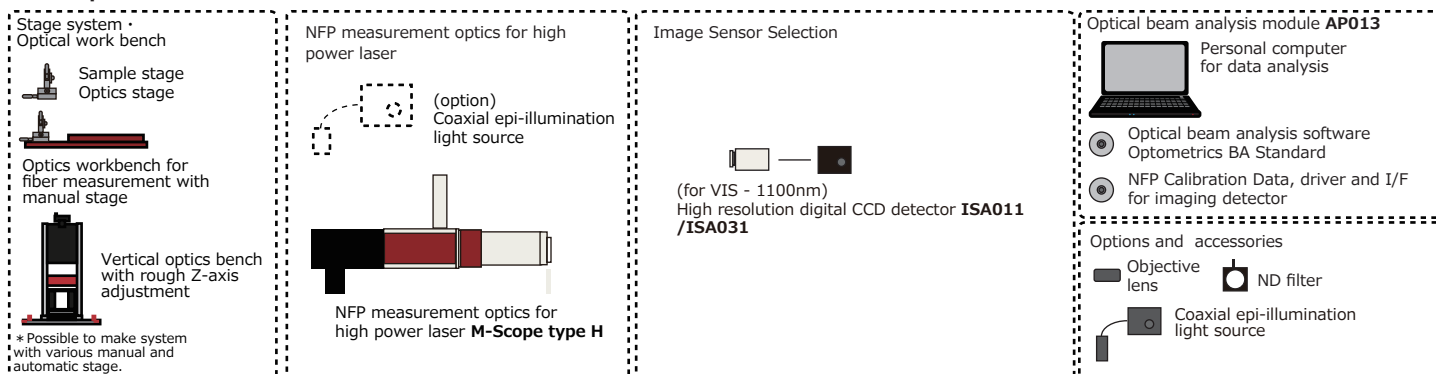
- * NFP measurement, beam profile measurement, beam shape measurement of high power laser and related optical module
 - Beam profile measurement of high power laser for laser headlight, laser machining, medical, solid laser excitation, printing, etc.
 - Fiber laser
 - Another high power laser and related module



[Option, accessory]

- * 2x Intermediate lens
- * ND filter
 - Possible to supply due to attenuation ratio, measurement wavelength, etc.
- * Coaxial epi-illumination light source
 - LED type (for visible - 850nm wavelength range)
 - **About coaxial epi-illumination light source in details, please refer to P32.**
- * Optical workbench
 - Optical workbench for fiber measurement
 - Vertical setup optical workbench
 - **About optical workbench in details, please refer to P32.**

[Component selection]



*A variety of system setup is possible depending on the purpose and application. Please feel free to contact us.