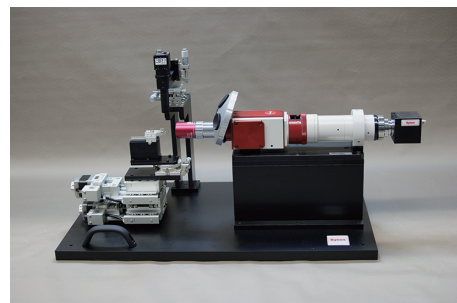


FOCAL POSITION AUTOMATIC MEASUREMENT SYSTEM

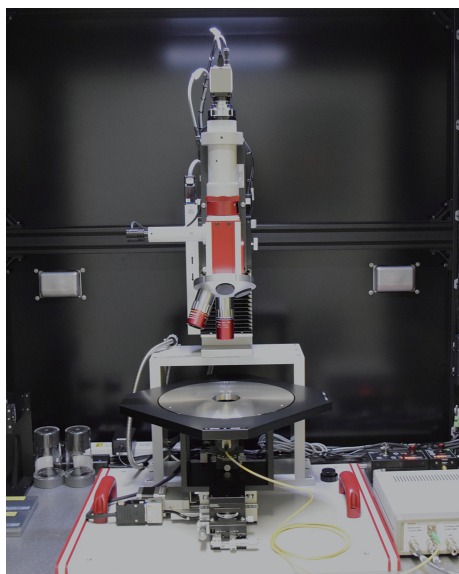
Automatic measurement of focal position and beam waist of lenses, LD modules, etc. by combining NFP measurement and motorized positioning stage.

Focal position automatic measurement system is a system that realizes automatic measurement of the focal position and the beam waist of lens, LD module, fiber module, etc. by combining NFP measurement system and high precision motorized stage system. By selecting detectors, it is possible to respond to measurement in 400~1100nm and 950~1700nm spectral range.



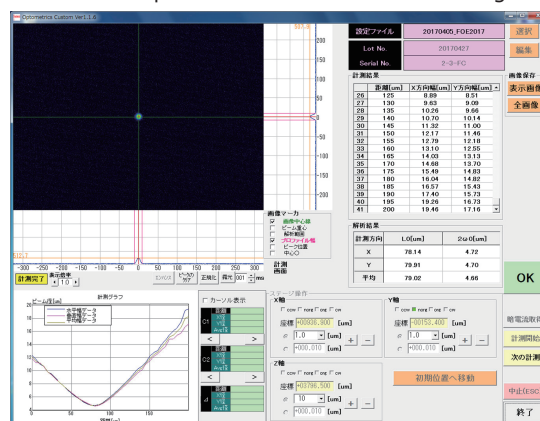
[Vertical setting focal point automatic measurement system]

In addition to horizontal installation for optical fibers and fiber modules, vertical installation for measurement of glass substrates and LD modules is also possible.

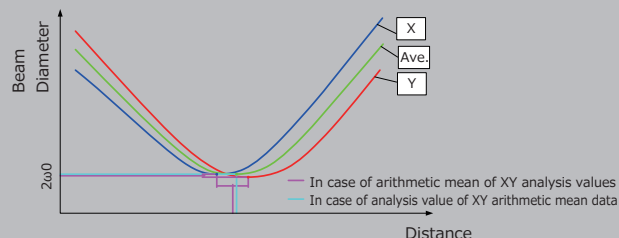
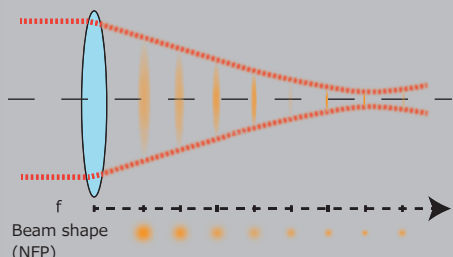


[Focal position automatic measurement software]

Performs linked control of the motorized stage and NFP measurement and image processing analysis, and automatically measures the focus position and beam waist of the light beam.



Technical information [Measurement method of focal position/beam waist automatic measurement]



[Measurement method]

- A motorized stage is used to move optics or sample to focal direction in microsteps.
- Measure the beam diameter at each focus position.
- Acquire the beam image (NFP image) at each focal position.
- The beam diameter at each focus position is analyzed to calculate the focus position.

[Component selection of focal position measurement system]

