

1. Firstly

This system is for the assembly and evaluation for the optical modules. The peak of the optical connection will be detected automatically and then, the parts will be welded by the YAG laser.

The controller consists of the control panel unit with EL-display and the main control unit with CPU and built-in boards. The controller is also equipped with standard interface for GPIB as outside transmitter ability.

The controller main unit has a built-in driver for laser diode and the peak-search amount of time is shortened largely because it always monitors an optical connection power by built-in CPU during peak-search action.

The mechanical stage unit consists of the precise pulse driven stages whose resolution is 0.1um accuracy for X-Y axes and optimized chucking unit for the specified work. By this, various shape of the parts can be assembled easily.

The special YAG oscillator, model FX-5802/FX-1801 which are design only for the optical communication parts assembly realizes the minimized shift of the welded parts due to the YAG welding shock.