

System Specifications

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Semiconductor laser module automatic alignment system

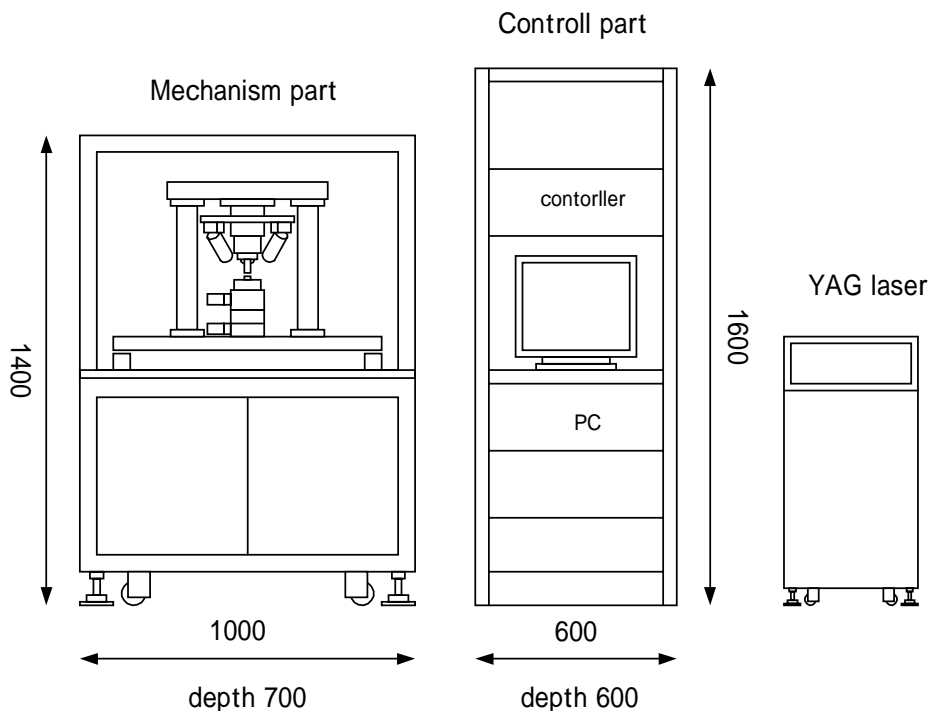
Outline

This system performs semiconductor laser module automatic alignment. High-speed automatic alignment technology PGAL1 is equipped in this system.

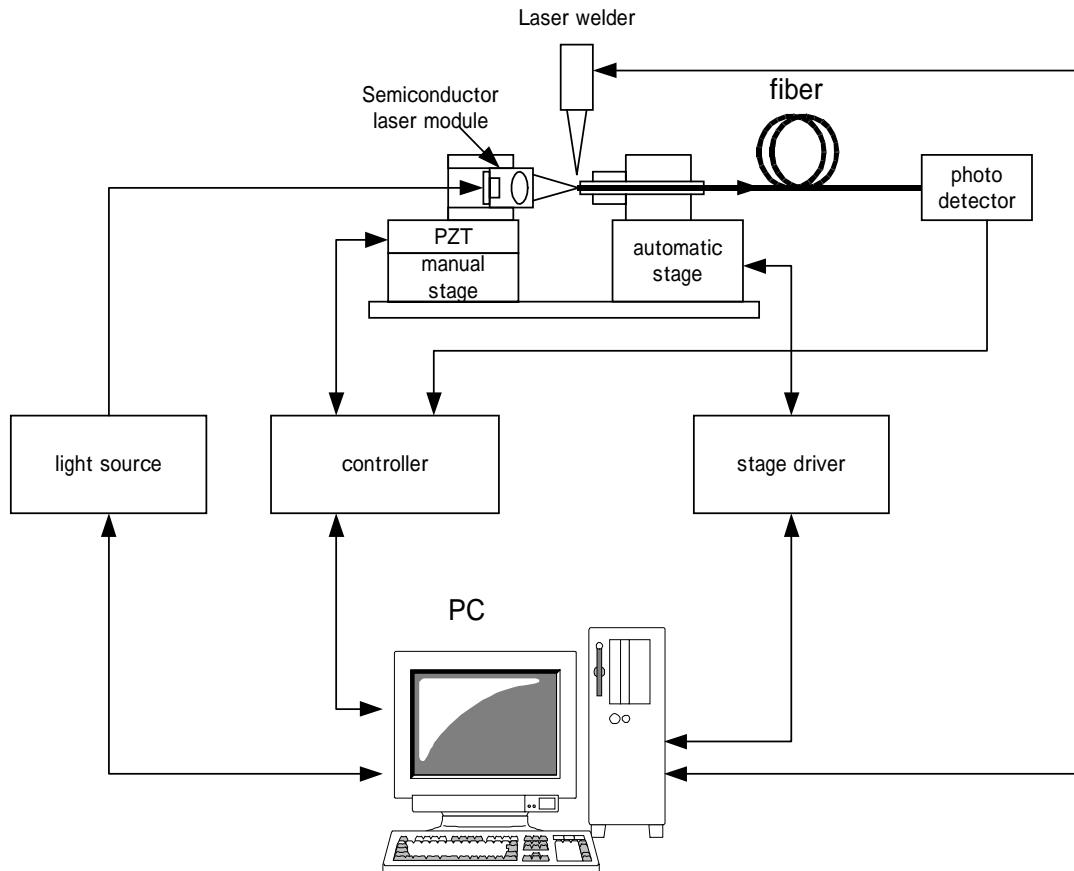
After setting a device, which is to be aligned and welded, the automatic alignment is usually completed within 10 seconds and then adhesion and welding are performed.

specification

Alignment axis:	X, Y, Z, Z axis (X, Y are optional)
Alignment method:	PGAL-1 active alignment (pat. pending)
Alignment time:	Less than 10 sec
accuracy:	Less than 0.05dB (depend on a sample) X, Y axis less than $\pm 0.1 \mu\text{m}$ Z axis less than $\pm 1 \mu\text{m}$
Welding:	Three-point simultaneous YAG laser welding
cycle time :	less than 30 sec (tentative)
Supply and discharge:	manual or automatic
output data:	alignment error, output power name, lot number, product number



Basic composition of an alignment part



* Specification and a performance may be changed without a preliminary announcement for improvement.

About this system, please contact us.

SIGMA Co., Ltd. International Sales Group

TEL +81-42-392-8600 / FAX +81-42-392-5341

E-mail question@sigma-fa.co.jp