

PAD Laser Startup Procedure S-AB-P-108 Rev A

This is a Class 4 laser emitting at 1053nm. Appropriate eye protection MUST be worn by ALL individuals in the EP Laser Bay prior to turning the laser 'ON'. This procedure must be revised prior to introducing this laser source into the OMEGA Target Bay.

Procedure:

- 1 Request that the EP Shot Director enable the IR light in the EP Bay and make the appropriate warning announcements in the facility.

- 2 Verify that the output fiber of the laser is connected to the PAD source breadboard and that the beam is properly terminated.

- 3 Rotate the turn key located on the front of the laser chassis into the 'ON' position.

- 4 Verify that the current is set to ~1.10A on the display panel.

- 5 Press the emission button.
 - The light above the button will blink for a short period of time. Once the light stops blinking, the laser is ON and is emitting out the fiber collimator at the end of the fiber.

- 6 The laser power may now be adjusted to a different level is desired.
Use the 'Select Current' button to change the current set point. Use the spin wheel or the key pad to enter the current and change the output power then click 'OK'.

(End of Procedure)

Note: Block the beam prior to changing beam termination points to avoid stray reflections.

Note: There are no user serviceable components on the laser unit. If the power output is not achieved, shut down the unit as described in the shutdown procedure, S-AB-P-109 and contact the manufacturer (IPG) for assistance.

Document Release:

PAD Laser Startup Procedure, S-AB-P-108

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