
Pavilion Integration Introduces Fiber-Coupled Red Lasers

San Jose, Calif., November 10, 2006 – Pavilion Integration Corp. (PIC), a manufacturer of high performance laser sources, announced that it is expanding its WhisperIT™ product line by adding fiber-coupled versions of its miniature red laser modules. These are housed in the same compact package as the free-space versions, with a hard-wired fiber pigtail output format. These highly reliable, field-proven modules meet or exceed stringent customer requirements for low noise, excellent beam quality and highly stable output power, as well as long life. Additionally, they have very fast warm-up time, dissipate very little heat, and are highly cost-effective.

The fiber-coupled versions are available with either regular Single-mode fiber, PM singlemode fiber or Multi-mode fiber. An FC/PC connector is the standard fiber termination, however other common connector types can be provided instead. Also available is the FRH (Fiber Remote Head) option that adds APC (Automatic Power Control)

at the fiber output end face, to provide the highest possible output power stability.

The PIC fiber-coupled WhisperIT™ red lasers are highly suited for instrumentation, metrology, inspection, and reprographics applications. In particular, these devices are ideally suited for semiconductor wafer metrology, since they have very low intensity noise (RIN better than 130 dB down) over a broad frequency range and an excellent beam profile that is stable long-term. These applications are further enabled by the excellent polarization contrast of the PM fiber output. Like others in the WhisperIT™ family, these are fully integrated, full-time low-noise, CW solid-state lasers, and are all packaged in an identical housing design. A broad range of single and multi wavelength versions with freespace or fiber-coupled output formats are available across the spectrum (from near-UV across the visible into the near-IR).