
Pavilion Integration Introduces Fiber-Coupled Green Laser

San Jose, Calif., November 6, 2006 – Pavilion Integration Corp. (PIC), a manufacturer of high performance laser sources, announced that it is expanding its WhisperIT™ product line by adding a fiber-coupled version of its miniature 532-nm laser module. The new fiber-coupled version is housed in the same compact package as the free-space version, with a hard-wired fiber pigtail output format. This highly reliable, field-proven module meets or exceeds stringent customer requirements for low noise, excellent beam quality and highly stable output power, as well as long life. Additionally, it has very fast warm-up time, dissipates very little heat, and is highly cost-effective. The fiber-coupled version is provided with standard single-mode fiber with output power levels available up to 30 mW. Single-mode PM fiber-coupled and Multi-mode fiber-coupled options are available. 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™ 532 nm laser is ideally suited for instrumentation, reprographics, metrology and inspection customers. In particular, this version provides the highest possible beam pointing stability, since once the distal end of the fiber is firmly mounted there is essentially no motion of the output beam with time or ambient changes.

Also, this version enables a new generation of highly compact and stable instruments, since the laser source can be placed anywhere within the instrument chassis. In addition, this allows the heat dissipated by the laser head to be separated from finely aligned optical trains. Like others in the WhisperIT™ family, it is a fully integrated, full-time low noise, CW solid-state laser. It is packaged in an identical housing design to the other wavelengths. A range of single and multi-wavelength versions with free-space or fiber-coupled output formats are available.

