



## Pavilion Integration Introduces Acontrol™ Injection Seeder

June 1, 2006 - San Jose, CA – Pavilion Integration Corp. (PIC), a manufacturer of high performance laser sources, announced that it is expanding its WhisperIT™ product line by introducing a unique injection-seeder laser source, the Acontrol. This seeder serves to stabilize high-power pulsed solid-state lasers, by controlling their laser wavelength and markedly improving their stability, both in reducing pulse jitter and pulse-to-pulse energy variations. The PIC seeder capitalizes on technology already incorporated into PIC's other WhisperIT™ CW laser modules, and leverages unique PIC intellectual property, specific to this application area.

The key advantage of the Acontrol seeder is that no modification to the slave laser is required in order to achieve reliable seeded performance. This enables end-users in the field to upgrade their existing laser systems very quickly and easily, by incorporating the Acontrol seeder without having to add additional locking devices such as piezo control of laser cavity mirrors. This makes it an excellent choice both for laser-savvy researchers, as well as for industrial users who are much less familiar with laser physics, and simply want to improve the performance of their lasers already in operation.

Acontrol seeders can cover the wavelength ranges centered around 785, 810, 830, 1047, 1053 and 1064 nm, so they are well-matched to all commonly used solid-state laser materials. Additionally, the seeder source is compact, has very fast warm-up time, dissipates very little heat, and is highly cost-effective.<http://www.pavilion-integration.com>

