

**Newsletter – May 2013**

**Wavelab Scientific** is a leading company for software and hardware products for the Photonics industries.

**1. Femtosecond Laser**



It is a mode-locked Er: fiber laser models with added second harmonic generation stage deliver sub-100 fs laser pulses at 780 nm wavelength in an economic, easy-to-use laser system.

**Applications:**

- Ultrafast spectroscopy
- Material characterization
- Multiphoton excitation
- Microfabrication
- Bioimaging
- THz physics

**2. Beam Profiler**



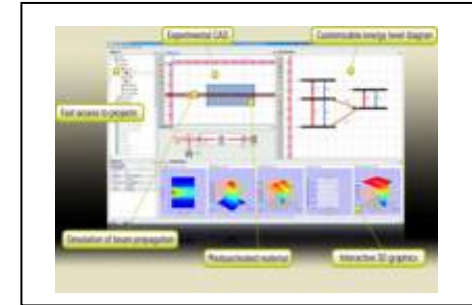
- new university pricing for **BladeCam-HR** beam profiler systems starting at \$2,390.
- compact (1.8 x 1.8 x 0.65 in.) USB 2.0 port-powered camera covers wavelengths from 355 to 1150 nm (up to 1605 nm with NIR model)

**3. Spectrometer**



- Dual Detector Super Range (DSR) for measurements from 200-2,300nm

**4. SimphoSOFT®**



The SimphoSOFT® suite of applications is a revolutionary CAD type application platform for modeling complex, time-dependent interactions of light with user specified single- and multi-layer *photoactivated materials*.

**Features:**

- Generalized propagation algorithm for modeling photoactivated materials
- Integrate a Jablonsky energy level diagram of arbitrary shape into the simulation model
- Rapid, easy input of materials and parameters and easy to use Library of Materials Database
- Constant, single-pulse, or multiple-pulse incident beams and multiple absorbers, multiple layers
- Radially symmetric incident beams with Gaussian shape (in the spatial domain)
- Extensive set of graphical output options