



FEMTOPOWER™

New members in the multipass amplifier family

New system specifications

Sub-25 fs pulses with
0.5 | 0.8 | 1.6 | 5 mJ

Sub-7 fs pulses with
0.2 | 0.3 | 0.7 mJ

Repetition rate
@ 10 | 5 | 1 kHz

CEP stabilized

FEMTOLASERS Produktions GmbH

is the premiere manufacturer of ultrafast, compact and reliable laser oscillator and amplifier solutions. Founded in 1994 in Vienna, Austria, the company's products and excellent services have evolved to be the first choice among OEMs and scientists worldwide for demanding applications and solutions. FEMTOLASERS state-of-the-art products offer technology of highest quality.

**WE LIVE IN AN ULTRAFST WORLD™
COME JOIN US !**

December 12th, 2008

A new generation of ultrafast amplifiers including a 5 mJ FEMTOPOWER™ has been released with repetition rates up to 10 kHz and pulse duration down to sub-25 fs. Sub-7 fs pulses are available from the KALEIDOSCOPE™ hollow fiber compressor. FEMTOPOWER™ amplifiers can be fully CEP stabilized. The pulse-background contrast is the highest in commercial amplifier systems. Applications include Atto science, High Harmonic Generation incl. x-ray generation, time resolved ultrafast spectroscopy, frontend for TW and PW ultrafast amplifier systems, femtochemistry, coherent THz generation, materials processing and OPA pumping in the demanding scientific environment.