

PRESS RELEASE

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FEMTOSOURCE™ scientific™ XL 500

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.

"Setting New Standards in Ultrafast Technology"

FEMTOSOURCE™ scientific™ XL 500 is a high power ultrafast Chirped Pulse Oscillator (CPO) providing pulses of $> 0.5 \mu\text{J}$ in energy at $< 50 \text{ fs}$ in duration. The combination yields an unprecedented peak power of $> 10 \text{ MW}$ at 5 MHz repetition rate.

The successful crossover between ultrafast oscillators and amplifiers offers the advantages of both technologies, while omitting their disadvantages. Applications include materials processing, THz generation, spectroscopy and many others, where ultrafast pulses and ultra high peak power combined with high stability and reliability are of advantage.

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