

## THE TECHNOLOGY

This technology is a fiber laser and new pulse shape capable of producing much higher energy ultrashort laser pulses. The result is a laser oscillator that produces a stable pulse propagating self-similarly within the oscillator cavity. Such a pulse does not undergo wave breaking due to non-linearity. This technology allows for pulses that are at least twice the pulse energy of prior femtosecond fiber lasers and in some cases, pulse energies of 1 to 2 orders of magnitude larger can be produced.

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## JenLas<sup>®</sup> D2.fs

JenLas<sup>®</sup> D2.fs is a femtosecond laser with optimized performance features for medical applications. Designed for operation at pulse repetition rates as high as 200 kHz combined with perfect beam characteristics, it is capable of generating microstructures in organic tissue without causing thermal side effects. Thin-disc laser technology provides the basis for flexible adaptation to performance requirements.

