

Femtum Nano 2800

Femtum introduces its first high-energy pulsed fiber laser for industrial and scientific use. This reliable laser produces nanosecond pulses in the microjoule range. Selective non-metal micro-processing in the mid-IR is now accessible !



Technical Specifications

Optical ¹	Standard ²
Signal wavelength ³	2780 (± 50) nm
Output power	10 mW to > 1 W
Repetition rate	1 to 50 kHz
Pulse duration	30 to 200 ns
Pulse energy	10 to > 100 µJ
M ² (Average of X & Y)	< 1.5

System specifications

Dimensions	24 × 17 × 3.5 in. (rack-mount, 2U)
Cooling	Passive cooling
Voltage	100 to 240 V
Beam delivery	Fiber cable or free space
Controller	Computer-controlled or integrated touch screen

KEY FEATURES

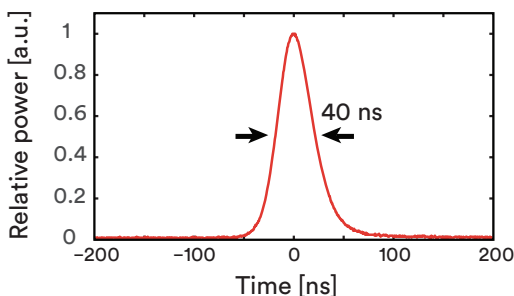
- Compact and turn-key system
- Fiber delivery cable
- High repetition rate
- High energy

APPLICATIONS

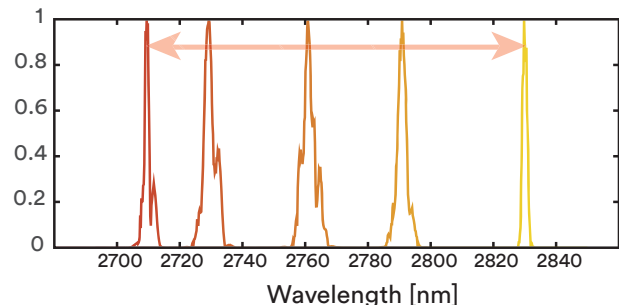
- Thin-films patterning
- Surface texturing of polymers
- Efficient mid-IR pump source
- Tissue ablation

Graphs

Typical pulse shape



Typical spectrum⁴



¹ Specifications subject to change
² Custom specifications upon request
³ Tunable version upon request
⁴ Narrow linewidth option upon request