

NEW Monolithic Seed System

PROVE WHAT'S POSSIBLE.

This all-PM fiber laser system is engineered for high reliability and compact integration, delivering high peak power femtosecond pulses. The Polarium-Atom generates linearly chirped pulses that can be compressed to sub-picosecond durations with flexible repetition rates to suit a range of advanced applications.

Optical	Unit	Specification
Center Wavelength	nm	1030
Pulse Length	ps	0.3 - 1000
Standard with AOM	ps	10
Stretchable, fixed Chirp	ns	<1
Compressible	fs	300 - 2000
Bandwidth	nm	<8
Modulation Frequency	MHz	Single Shot - 20
Output Power, CW	mW	<100
Power Stability, RMS	%	<0.1
Fiber Core Diameter	μm	10/125
Fiber Connector		FC/APC
Polarization Extinction Ratio	dB	>20
Electrical		
Supply Voltage	VAC	100 - 240
Power Consumption	W	<50
Environmental		
Operating Temperature	°C	10 - 40
Storage Temperature	°C	-20 - 60
Cooling Method		Air
Weight	kg	<5

Key Features

- All PM Fiber Design
- No Saturable Absorber
- No Free Space Optics
- Self Starting
- Variable Rep Rate
- AOM Included
- Bandwidth >8nm

Applications

- Ultrafast Amplifiers
- Nonlinear Microscopy
- LIDAR / LADAR
- Digital Laser Array
- High Energy CBC Array
- Materials Surface Processing

