

## Broadband/Tunable Lasers 広帯域/波長可変レーザー



Supercontinuum Fiber Lasers  
(450-2300nm)

- Pulse Duration < 10ps
- Average Power > 3W



Femtosecond OPA  
(650 - 2600nm)



Short-pulse OPA  
(650 - 2600nm)



Broadband Femtosecond Laser  
(950-1150nm)

- Pulse Duration 15-20 fs
- Peak Power > 120 mW



C-Band Tunable Laser  
(1529 -1567nm)



L-Band Tunable Laser  
(1554 -1607nm)



2 Micron CW Tunable Laser  
(1900-2000nm)

## Quantum Cascade Lasers 量子カスケードレーザー



Terahertz Quantum Cascade Lasers  
(1-4.5Thz)



CW IR Quantum Cascade Lasers  
(3-12 $\mu$ m)



CW LWIR Quantum Cascade Lasers  
(10-17 $\mu$ m)

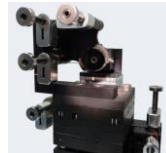
## Ultrafast Devices 超高速デバイス



High Powered Hollow-Core Fiber Compressor



Ultra-High Contrast 3rd-Order Autocorrelator



XUV/IR Pulse Delay Unit



Light Field Synthesizer



Hollow-Core Fiber Compressor



Enhanced Cavities for Laser Light



Coherent Ultrabroadband XUV Light Source



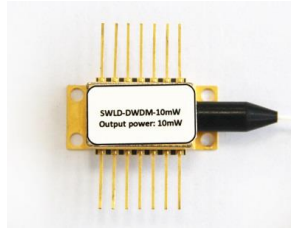
High-Energy MPC Pulse Compressor

## DPSS / Diode Lasers LD励起固体 (DPSS) レーザー / レーザーダイオード



### CW Laser Diode Module

- 375-785nm
- Power 10-200mW



### CW Pigtail Laser Diode (400-1920nm)



### CW Multi Wavelength Laser

- 405nm-730nm
- Power: 300mW-1000mW



### DPSS Nanosecond Pulsed Lasers

- 266/351/355/527/532/11064nm
- Pulse width 5-60ns
- Pulse energy: uJ to mJ level



### DFB/FP Picosecond Laser

- 370-1550nm
- Pulse Width: <100ps
- Peak power: 20mW to 400mW



### High-Power Femtosecond Solid-State Lasers

## CW Pigtail Laser Diode (400-1920nm) CWレーザーダイオード



### CW Pigtailed Laser Diode Single Mode (400-700nm)



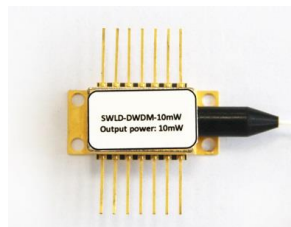
### CW Pigtailed Laser Diode Multi-Mode (375-700nm)



### CW Pigtailed Laser Diode Single Mode (700-1650nm)



### CW Pigtailed Laser Diode Multi-Mode (700-1920nm)



### CW Pigtailed Narrow Linewidth Laser Diode



### CW Pigtailed TO56 Laser Diode SM (1270-1653nm)

## Nanosecond Pulse Fiber Laser(1064-2um) ナノ秒パルス光ファイバーレーザー



[1064/1550nm Nanosecond Pulse Fiber Laser](#)



[2um Nanosecond Fiber Laser](#)

## Picosecond Pulse Fiber Laser (515nm - 2um) ピコ秒パルス光ファイバーレーザー



[DFB/FP Picosecond Laser \(370-1550nm\)](#)



[515/532nm Picosecond Pulse Laser](#)



[2000nm Picosecond Pulse Laser](#)



[1064 Ultrafast Picosecond Pulse Laser](#)



[1030/1064 Picosecond Pulse Laser](#)



[1550nm High speed Ps laser \(Pulse & CW\)](#)



[1560nm Picosecond Pulse Laser](#)



[532/1064 Duel Output Picosecond laser](#)

Type	Average Power	Pulse Energy	Pulse Width	Rep Rate
<a href="#">515/532nm Picosecond Pulse Laser</a>	1-200mW	<20nj	10-100ps	15-100Mhz
<a href="#">1030/1064 Picosecond Pulse Laser</a>	10-2000mW		<15ps	20-50Mhz
<a href="#">532/1064 Duel Output Picosecond laser</a>	<1W	>1 nJ	10-100ps	15-100Mhz
<a href="#">1550nm Picosecond Laser Duel Mode(Pulse &amp; CW)</a>	Pulse 1.5mW		30ps	1 - 1250Mhz
	CW -48 to -13dBm			10Mhz
<a href="#">1560nm Picosecond Pulse Laser</a>	1-120mW	>1nJ	1-100ps	80Mhz
<a href="#">2000nm Picosecond Pulse Laser</a>	>15mW	>0.18nJ	<10ps	80Mhz
<a href="#">DFB/FP Picosecond Laser (370-1550nm)</a>	>0.5mW		<50ps	0-40Mhz

## Fiber Amplifiers 光ファイバーアンプ



Erbium Doped Fiber Amplifier



Ytterbium Doped Fiber Amplifier



Thulium-Doped Fibre Amplifier



Fiber Raman Amplifier



Semiconductor Optical Amplifier (SOA)

## Single Wavelength LED Source(240-980nm) 単波長LED光源



Un-collimated LED Source (340-980nm)



Super High-Power Collimated LED 365-980nm



High-Power Collimated LED 365-980nm



Deep UV Collimated LED 240-340nm



Filtered High Power Fiber-Coupled LED (265 - 940nm)



Lightguide-Coupled LED Source (310-980nm)



High Power Fiber-Coupled LED (255 - 980nm)



BLS Series High Current



BLS-Series High Speed



SLA-Series / SLB-Series



Universal USD2.0/RS232 Controller



High Precision Universal4-Channel LED

## Wavelength Selector 波長セレクトター



[Flexible Wavelength Selector Auto](#)



[Flexible Wavelength Selector Manual](#)



[Mighty Light Sources](#)

## Multi-wavelength LEDs Source (240-980nm) 多波長LED光源



[Fiber-Coupled Multi-Wavelength LED \(365-980nm\)](#)



[Collimated Multi-Wavelength LED \(365-980nm\)](#)



[Wavelength-Switchable LED Source \(340-980nm\)](#)



[LED Source Controllers](#)

## IR Emitter Chip (2-14um) 赤外線エミッターチップ



[IR Emitter Chip \(2-14um\)](#)

- True black body radiation (2 to 14  $\mu\text{m}$ )

## ASE Light Sources (830-2000nm) ASE光源



C-Band Broadband ASE Light Source (1528-1563nm)



C+L-Band Broadband ASE Light Source (1528-1603nm)



1060nm Broadband ASE Light Source (1030-1080nm)



L-Band Broadband ASE Light Source (1567-1603nm)



2000nm Broadband ASE Light Source (1850-2000nm)



C++ Band Broadband ASE Light Source (1524-1572nm)



Super-Broadband SLED Light Source (850~1650nm)



Broadband SLED DFB Chips (830nm - 2000nm)