Aunion Tech Co.,Ltd
1850-166-2513 021-510-83793
info@auniontech.com www.auniontech.com

Arche

World's most cost-effective femtosecond laser

A suite of ultrafast fiber lasers with 100 MHz range repetition rates, centered at 1560nm, delivering < 500 fs. Arche becomes a workhorse tool for many research and industrial applications requiring reliability and affordability.

Central Wavelength
1560 nm

Repetition Rate
100 MHz

Average Power
> 4 mW

Pulse Duration
< 500 fs

/ Applications

Amplifier Seeding

Optical Characterization

Ultrafast Spectroscopy

Testing at telecom wavelengths

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/ Technical Specifications

Wavelength:	Repetition Rate	Pulse Duration:	Average Power:
1560 nm	100 MHz	< 500 fs	> 4 mW

Central wavelength:	1560 nm
Repetition Rate:	100 MHz (customizable to 50 MHz)
Average Power:	> 4mW
Pulse Duration:	< 500 fs
Polarization:	Linearly Polarized
Output Port:	Single Mode Fiber / 0.25 m
Optical Output:	FC/APC Connector
Synchronization:	Optical Signal
Pulse Energy:	> 40 pJ
Spatial Mode Quality (M^2):	< 1.2
Cooling:	Air cooling
Power Requirements:	220/110V 50-60 Hz
Operating Temperature:	20 - 30 °C
Storage Temperature	0 - 60 °C

OTHER DETAILED SPECS UNDER REQUEST

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/ Optical Spectrum