

Arche

Price: 3.790€

World's most cost-effective femtosecond laser

A suite of ultrafast fiber lasers with 50 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
50 MHz

Average Power
> 2 mW

Pulse Duration
< 500 fs

/ Applications



Optical Characterization

Nonlinear Applications

Ultrafast Research

Testing at telecom wavelengths

Arche

/ Technical Specifications

Wavelength:	Repetition Rate	Pulse Duration:	Average Power:
1560 nm	50 MHz	< 500 fs	> 2 mW

Central wavelength:	1560 nm
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Repetition Rate:	50 MHz
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Average Power:	> 2mW
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Pulse Duration:	< 500 fs
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Power Stability:	< 0.5 % (std. dev.)
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Polarization:	Linearly Polarized
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Output Port:	Single Mode / 0.25 m
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Optical Output:	FC/APC Connector
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Synchronization:	Optical Signal
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Pulse Energy:	> 40 pJ
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Spatial Mode:	< 1.2
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Cooling:	Air cooling
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Power Requirements:	220/110V 50-60 Hz
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Operating Temperature:	20 - 30 °C
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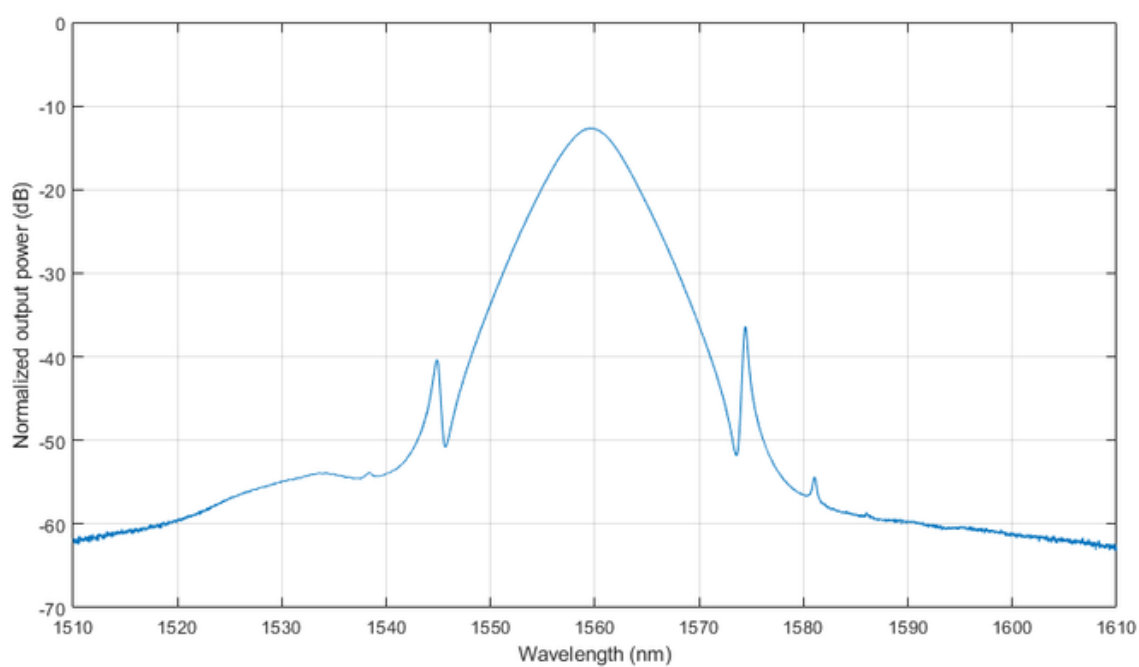
Storage Temperature	0 - 60 °C
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OTHER DETAILED SPECS

UNDER REQUEST

Arche

/ Optical Spectrum



Arche

/ Additional information



Laser Security:

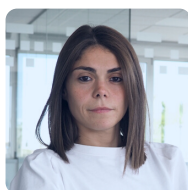
This product is a Class 3R laser.

Appropriate safety measures according to such laser class should be taken in its installation and use.

Warranty:

12 months warranty or > 10,000h of continuous operation.

/ FYLA contact



Sales contact

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