

## ARGO MPC

### Multi-pass cell post-compression for Yb-lasers

**ARGO MPC** is a non-linear pulse compression system with available pump laser integration. It achieves compression factors up to 10x, and pulse durations down to 30 fs with market-leading throughput. Wavelength conversion stages enable 515 nm and 343 nm outputs at short pulse durations. Our new **Class 5 Bridge**, an IoT-enabled modular control system, connects multiple **ARGO** units to build advanced pump-probe setups.

## Features

### High pulse compression factor

Up to 10x, down to < 30 fs

### High power throughput

Market-leading conversion efficiency, supporting pump power up to 100W/1.5 mJ.

### Pump laser integration available

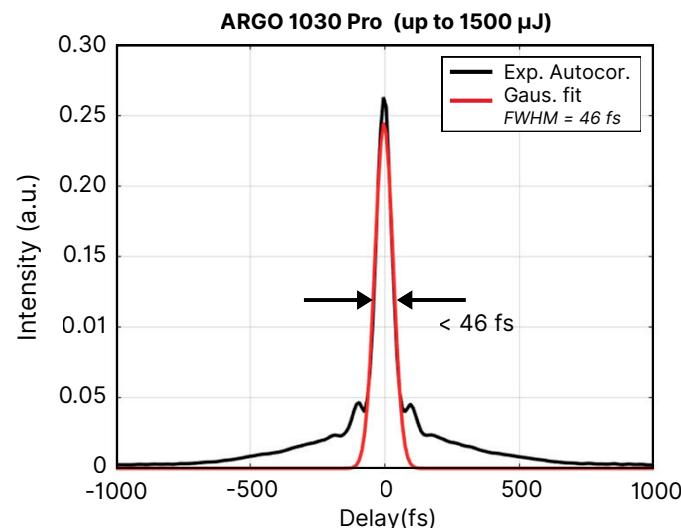
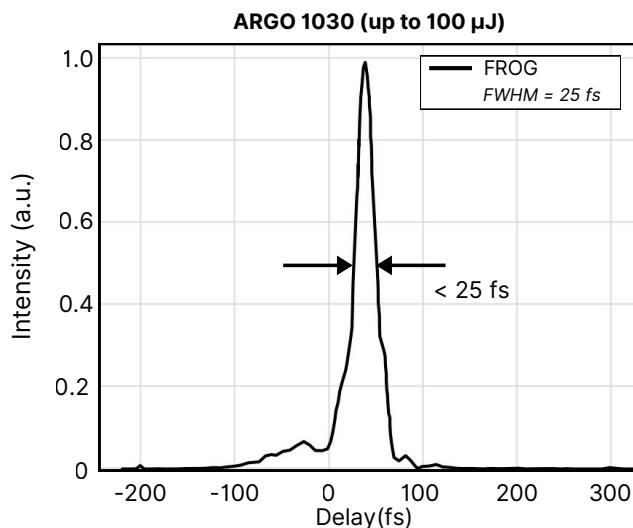
Yb-laser can be integrated into the same housing for optimal compactness and stability.

### Class 5 Bridge: Build your pump-probe suite

All ARGO units can be connected to a multi-color pump-probe setup with Class 5 Bridge modular control system.



## Performance Examples



## Product Specifications

PRODUCT	ARGO 1030	ARGO 1030 Pro
<b>Wavelength (central)</b>	1030 nm	
<b>Compression factor</b>	10 (single stage)	
<b>Shortest supported pulse duration</b>	< 30 fs	< 50 fs
<b>Conv. eff (at peak)</b>	85% (compressed)	90% (compressed)
<b>Pump energy</b>	20 - 100 µJ	200 - 1500 µJ
<b>Repetition rate</b>	Up to 1 MHz	
<b>Pump laser power</b>	10 - 100W (up to 300W on request)	
<b>SHG / conv.* (@ peak)</b>	515 nm / 30%	
<b>THG / conv.* (@ peak)</b>	343 nm / 5%	
<b>Required gas supply</b>	not required	Krypton / Argon

\*conversion efficiencies of compressed 1030 nm MPC output

## Class 5 Bridge: Modular control system



For more info

[www.class5photonics.com](http://www.class5photonics.com)