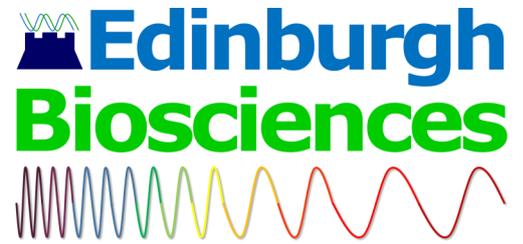


Laser Attenuator



Technical Specifications and Feedback

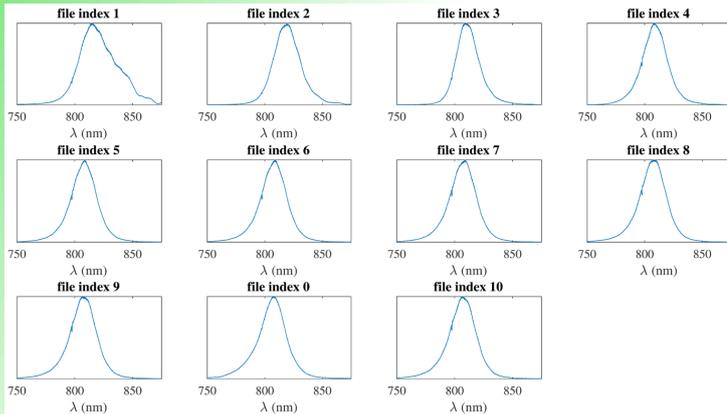
Laser Attenuation from 1-99% for wavelength range ~550—100nm

The stage is rated for a life span of 100 Km

Quality control test for accuracy carried out at calibration (within 20um).

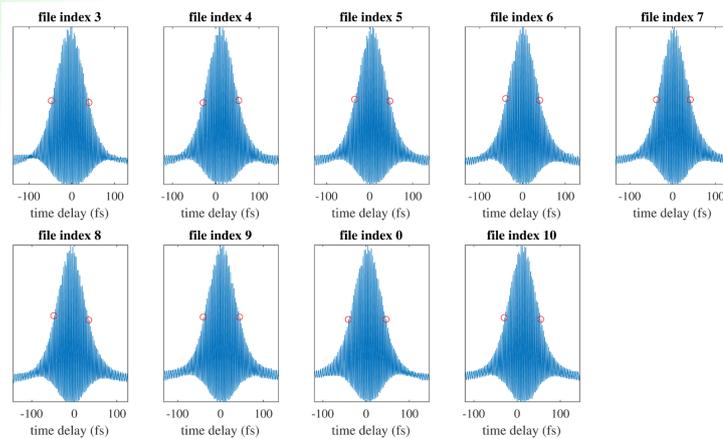
Technical Feedback from Prof Derryck Reid of Herriot Watt University using a 1 GHz Ti:sapphire Laser

Spectra



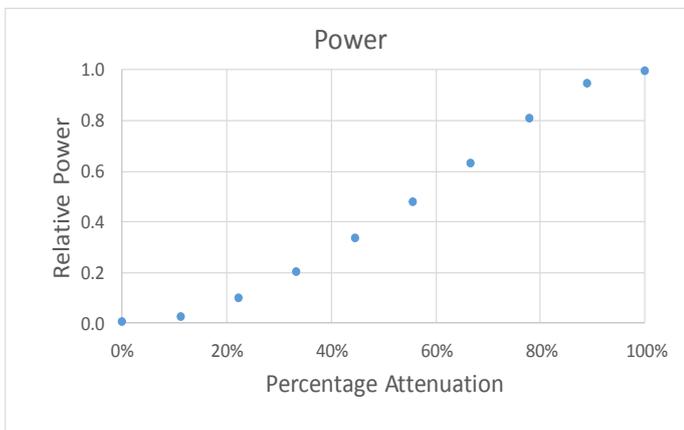
Filename	Percentage Attenuation	Central Wavelength (nm)	FWHM (nm)
1	0%	815	33.5
2	11%	819.6	25.9
3	22%	809.3	21.9
4	33%	808.4	23.5
5	44%	808.6	24
6	56%	808.9	24.5
7	67%	808.7	25.2
8	78%	808.6	25.2
9	89%	807	25.1
10	100%	806.7	25.1
reference	100%	807.8	24.5

Autocorrelation



Filename	Percentage Attenuation	Pulse Duration (fs)
1	0%	-
2	11%	-
3	22%	46.4
4	33%	43.3
5	44%	43.2
6	56%	41.8
7	67%	41.6
8	78%	43.4
9	89%	44.6
10	100%	44.6
reference	100%	46

Power



Percentage Attenuation	Power	Relative Power
0%	3	0.00
11%	16	0.03
22%	64	0.10
33%	128	0.20
44%	213	0.34
56%	303	0.48
67%	399	0.63
78%	511	0.81
89%	598	0.95
100%	629	1.00
reference	632	1.00

Contact Us

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