



## FSX Laser Specification Sheet

Part #: FSX/100/780,920/350/1000/130/FS

Serial #: SN003



Date of test 01/03/2023  
 Ambient temperature 25.3 °C

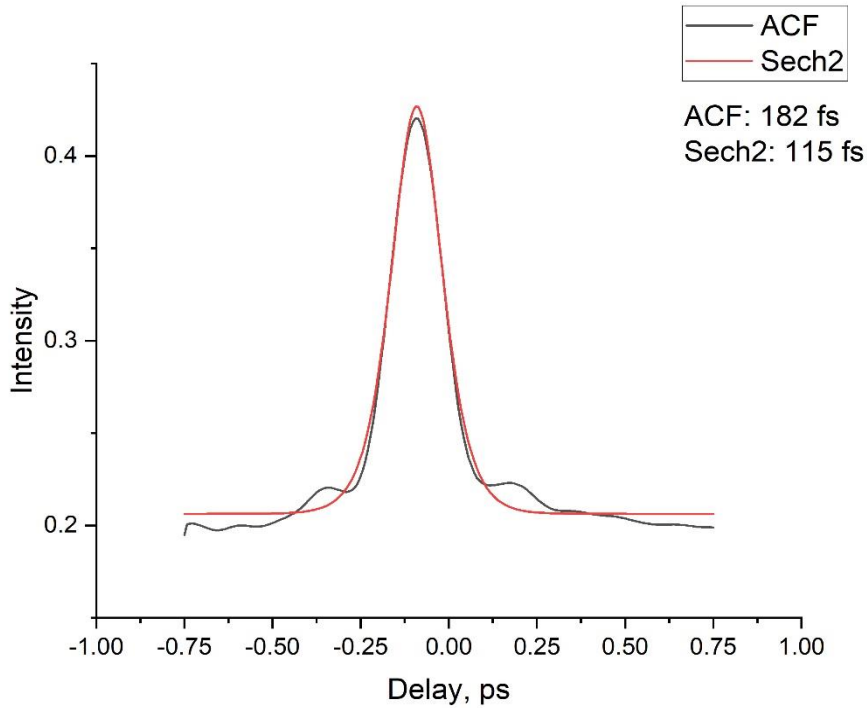
## Performance

Pulse repetition rate	100,00	MHz
<b>1030nm Output</b>		
Average output power	1500	mW
Pulse duration (Sech <sup>2</sup> )	121	fs
Center wavelength	1031,2	nm
Spectral width (FWHM)	13,8	nm
M <sup>2</sup> , x	1,095	
M <sup>2</sup> , y	1,097	
Beam diam. at window	1325	µm, X
Beam diam. at window	1363	µm, Y
<b>Tunable Output</b>		
Wavelength tunable range	780-920	nm
Average output power at 780 nm	820	mW
Pulse duration(Sech <sup>2</sup> ) at 780 nm	160	fs
Spectral width (FWHM) at 780nm	5,8	nm
<b>Options</b>		
Build in OSA	yes	
External modulation	no	
Trigger output	yes	
Amplitude stabilization	no	
Isolator inside	yes	
Sync	no	
Piezo	no	
Dispersion compensation	no	

## 1030 Output

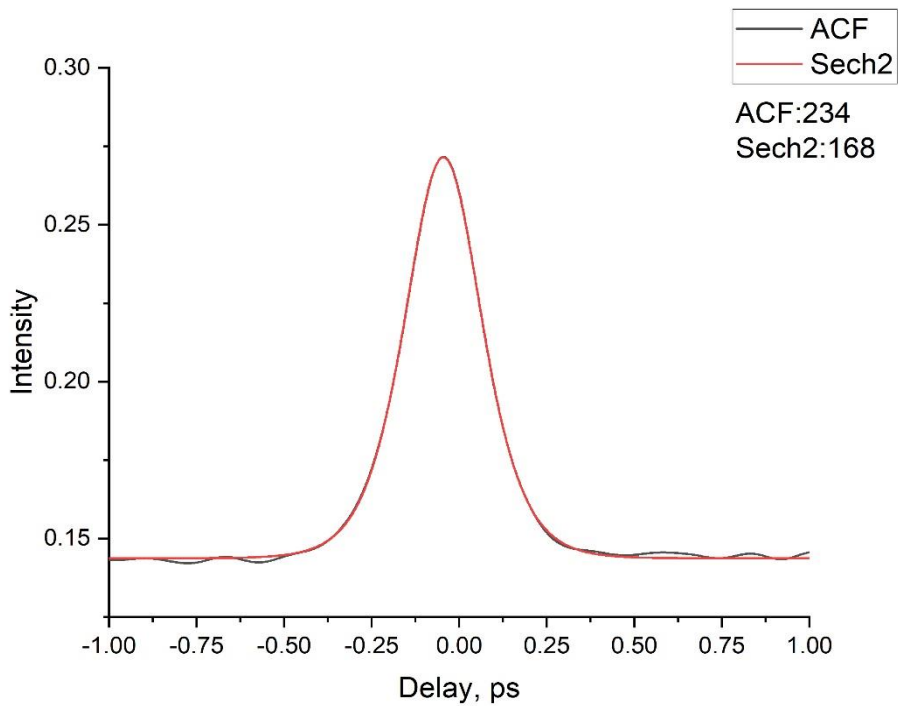


### Autocorrelation



## Tunable output

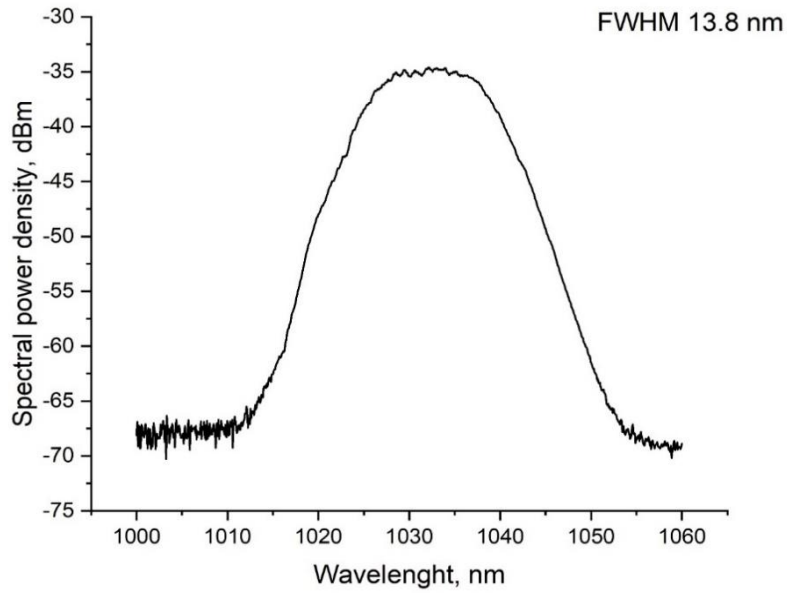
### Autocorrelation



## 1030 output

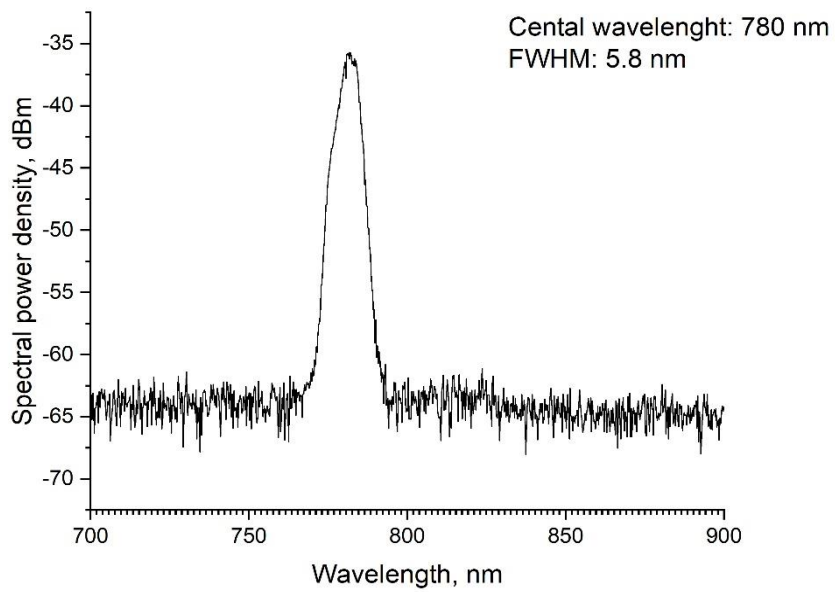


### Optical spectrum



## Tunable output

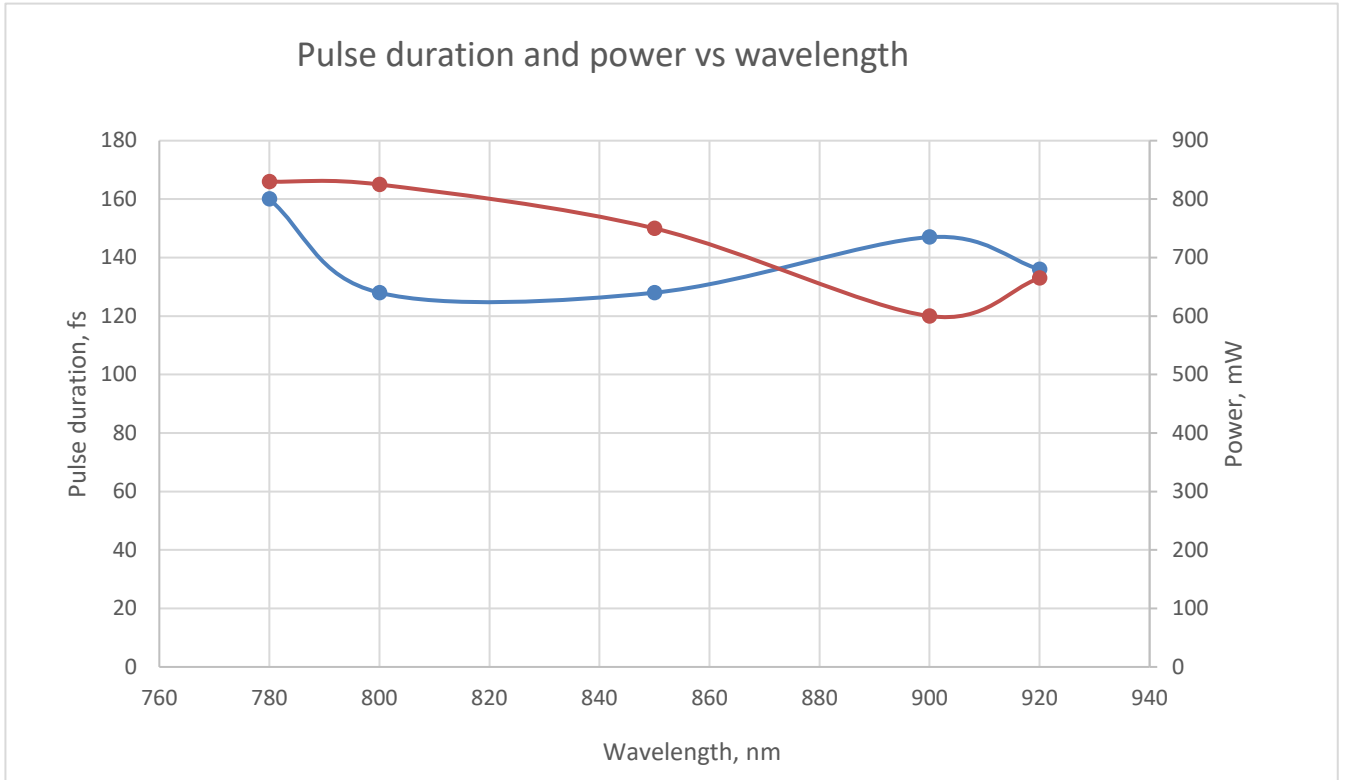
### Optical spectrum





## Tunable output

Tunable curve





## 1030 Beam Profile

$M^2$ X	1,095
$M^2$ Y	1,097
BPP X	0,359 mm mrad
BPP Y	0,36 mm mrad
Divergence X	1,102 mrad
Divergency Y	1,039 mrad
Waist Width X	1,3 mm
Waist Width Y	1,38 mm
Rayleigh Length X	1,18 m
Rayleigh Length Y	1,33 m
Astigmatism	0,03
Assymetry	1,063

