## **activeTWO** An industrial-grade ultrafast **Thulium** laser





Output prepared for connection to free space or fiber beamguiding system

- Externally controllable AOM for pulse selection
- Safetey shutter included







## **activeTWO** An industrial-grade ultrafast **Thulium** laser



	activeTW0	5	5000				X 8.54u	rad STD
Central wavelength	approx. 1980nm		4000 -				Y	rad STD
Repetition rate	single shot to 25MHz	Pointing /µrad	3000 -					
Pulse energy	up to 100µJ (at up to 150kHz)	ting /	2000 -					
Average power	up to 15W	Poin						
Pulse duration	<400fs - 5ps adjustable, or up to 1.5ns	1	1000 -					
Polarization	Linear	1	0	100	200	300	400	500
Beam quality	close to diffraction-limited, M <sup>2</sup> < 1.3	-	0	100		ime /h	400	500
RIN slow (average power)	<1% RMS [1/ (24hours - 1Hz]		20.0		1	5.3W mear	n with 0.83	7% STD
RIN fast (pulse energy)	<2% RMS [1Hz - f <sub>rep</sub> /2]		17.5 -		-f			
Beam pointing	<10µrad RMS	IWEL	12.5					
Dimensions & Mass	800mm x 300mm x 400mm, <100kg	put power /W	10.0					
Logging	logging of all operation parameters via control software, remote monitoring and service access	d‡ D	7.5 5.					
Additional features	Turnkey reliability, software-controlled parameter optical isolation, shutter, RTC6 interface restivan -A-I		2.5	100	200 Ti	300 me /h	400	500
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Overview