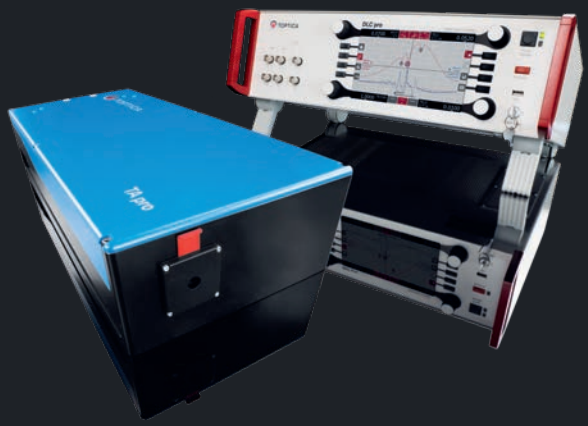
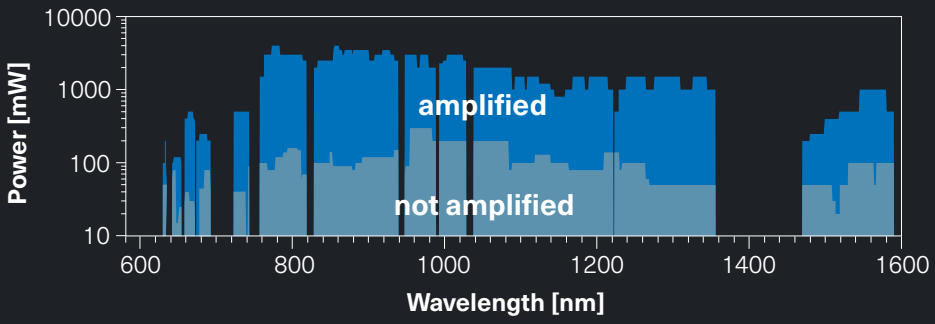
amplified.



632 .. 1590 nm, up to 4 W

Amplified Tunable Laser Systems



learn more...

TOPTICA

www.toptica.com/amplified

TA pro

DANGER – VISIBLE AND INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN60825-1:2014

Specifications								
	Customized	TopSeller (not configurable)						
	DLC TA pro	670	765	780	795	850	DFB 780	DFB 852
Wavelength range [nm]	632 - 1590*	665 - 673	760 - 785	770 - 795	775 – 805	845 - 870	779 - 780	851 - 852
Max. output power [W]	4	0.5	2	4	3	3	4	3
Tuning	Typical coarse tuning range 10 - 50 nm, mode-hop free tuning 20 - 50 GHz							
Typical instantaneous linewidth	90 kHz	100 kHz	0.5 kHz	0.6 kHz	0.6 kHz	5 kHz	2 MHz (5 µs)	2 MHz (5 µs)
Fiber coupling	Output and probe beam: Optional							
Maximum TA current	5 A (with DLC TA pro), 10 A (with DLC TA pro HP)							
Power consumption	typ. 70 W							

Specifications are subject to change without further notice

*Spectral coverage with gaps

Key Features

- Wavelengths between 632 nm and 1590 nm
- High power up to 4W
- Low noise and drift, narrow linewidth
- Stable and reliable with pro technology
- Convenient touch, knob and remote control with DLC pro

Options

- Output and probe fiber coupling
- Narrow linewidth and motorization
- High power option with max. 10A amplifier driving current
- Options and modules for stabilizing the laser frequency and for linewidth narrowing (e.g. intra-cavity EOM option “F”)
- Rack-Integrated version available with AutoAlign: MTA pro