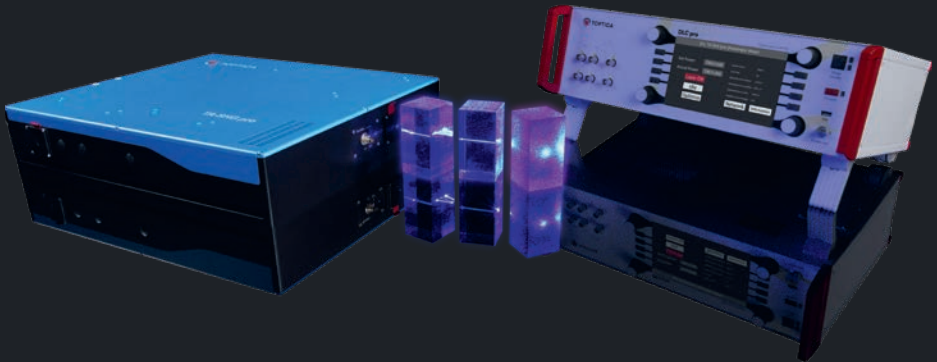


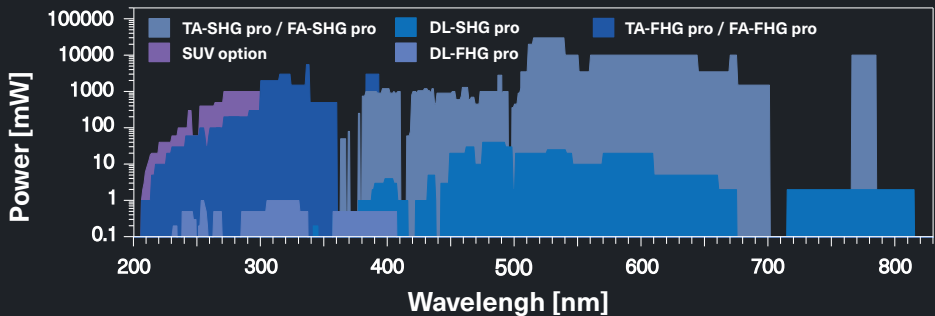
# harmonic<sup>2</sup>

World leading efficiency ranging from deep UV to near infrared



## 205 .. 780 nm, up to 30 W

Frequency Converted Tunable Diode Laser



learn more...



[www.toptica.com/harmonic](http://www.toptica.com/harmonic)

# TA-SHG pro & TA-FHG 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							
TOPSeller*	DLC TA-FHG pro	2x Lyman alpha	Mercury cooling	Be+ cooling	DLC TA-SHG pro	Ca+ Cooling	Ytterbium Cooling II
Wavelength range [nm]	205 .. 390	243	254	313	330 .. 780	397	399
Output Power [mW]	Up to 900	60	200	700	up to 2000	1200	1200
Coarse tuning [nm]	1 .. 10	1	1	2	2 .. 20	2	3
TOPSeller	Strontium Cooling	Rydberg Rb I	Rydberg Rb II	N-V centers	Sodium cooling	Ytterbium Cooling	Lithium Cooling
Wavelength range [nm]	461	473 - 481	479 - 488	575	589	556	671
Output Power [mW]	1300	1000	1000	10	1000	2000	1000
Coarse tuning [nm]	4	8	9	10	4	5	4
Continuous scan range	> 20 GHz						
Typical linewidth (5 $\mu$ s)	100 .. 300 kHz (TA-SHG), 200 .. 500 kHz (TA-FHG)						
Fiber coupling	Available for > 370 nm						

\* See website for additional TOPSellers

## Key Features



Fully integrated system



Convenient remote operation



Superior passive stability



19" rack integration option

## Options

- Automatic Alignment
- Fibre coupled output
- SUV - Unprecedented deep UV power and lifetime
- Fiber Amplifier for high powers
- Options and modules for stabilizing the laser frequency and linewidth narrowing
- Rack integrated version available for TA-SHG pro systems
- Standalone and lower power versions available