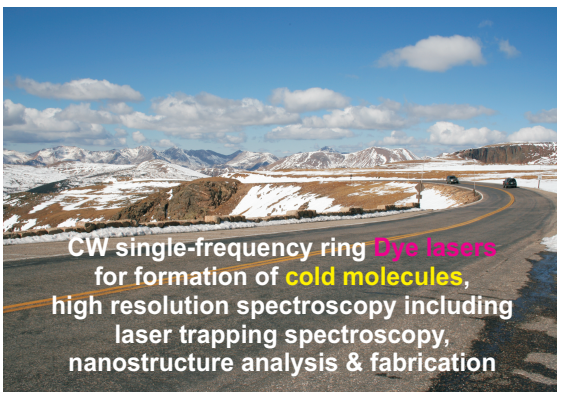
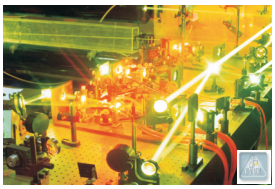
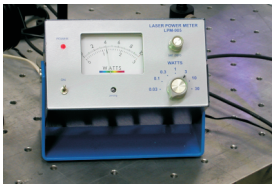


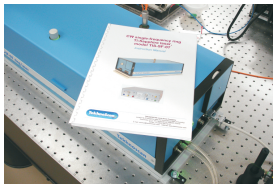




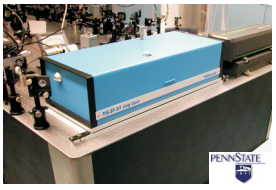




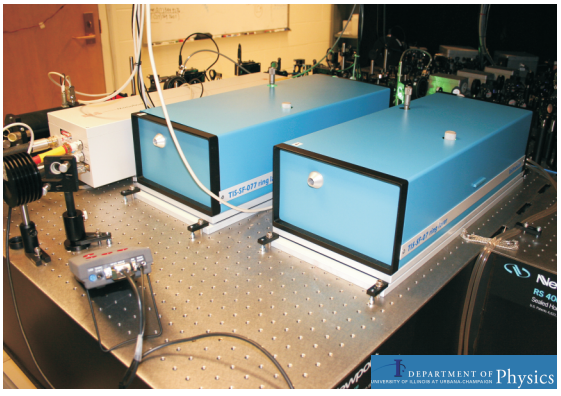


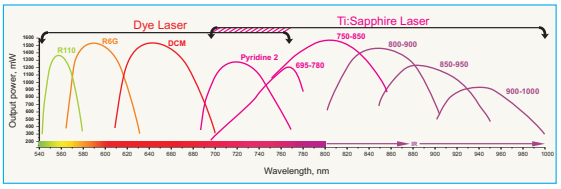


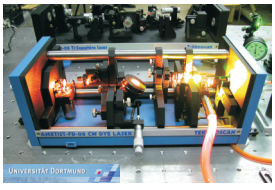


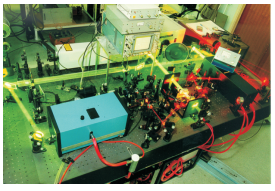


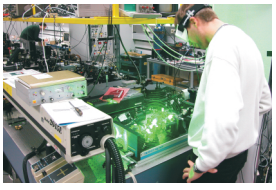












TEKHNOSCAN

tunable lasers

TIS/DYE-SF Series Widely Tunable Lasers

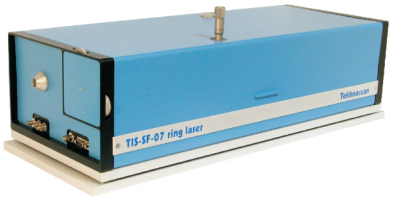
TIS-SF: CW **Ti:Sapphire laser**, 695-950 nm, ring resonator, output > 1.5 W at 10 W pump

DYE-SF: CW **Dye laser**, 570-700 nm, ring resonator, output > 1.5 W at 10 W pump

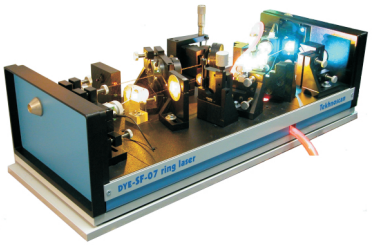
Passively Stabilized Single-frequency Lasers:
- TIS-SF-07 laser, linewidth < 5 MHz
- DYE-SF-07 laser, linewidth < 10 MHz

Actively Stabilized Single-frequency Lasers:
- TIS-SF-077 laser, linewidth < 100 kHz
- DYE-SF-077 laser, linewidth < 100 kHz

Ultra-Narrow-Linewidth Single-frequency Laser:
- TIS-SF-777 laser, linewidth < 15 kHz



atom cooling, trapping, and quantum manipulation, high resolution spectroscopy

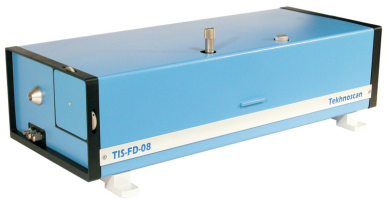


atom trap trace analysis, atomic clocks, formation of cold molecules, nanostructure fabrication

TIS/DYE-FD Series Super-Broadly Tunable Lasers with intracavity second harmonic generation

TIS-FD-08: CW **Ti:Sapphire laser**, 700-950/350-475 nm, linear resonator, linewidth < 0.05-0.01 nm, output > 1.6W/100mW (10 W pump)

DYE-FD-08: CW **Dye laser**, 570-700/285-350 nm, linear resonator, linewidth < 0.05-0.01 nm, output > 1.6W/200mW (10 W pump)



wide-range spectral studies of quantum semiconductor objects and nanostrustured materials

Resonant Frequency Doubler for CW single-frequency lasers

FD-SF-07: SHG Efficiency (%/Watt input): >25% (700-950 nm -> 350-475 nm), >20% (550-700 nm -> 275-350 nm), >15% (488-550 nm -> 244-275 nm)



Laser Accessories



U-SCAN:
FSR=750 MHz,1.5GHz
finesse: up to 500
resolution: 1.5-15 MHz

scanning interferometer



LPM-905:
3 mW - 30 W
200 nm - 12 um
response time < 0.7 s

power meter

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