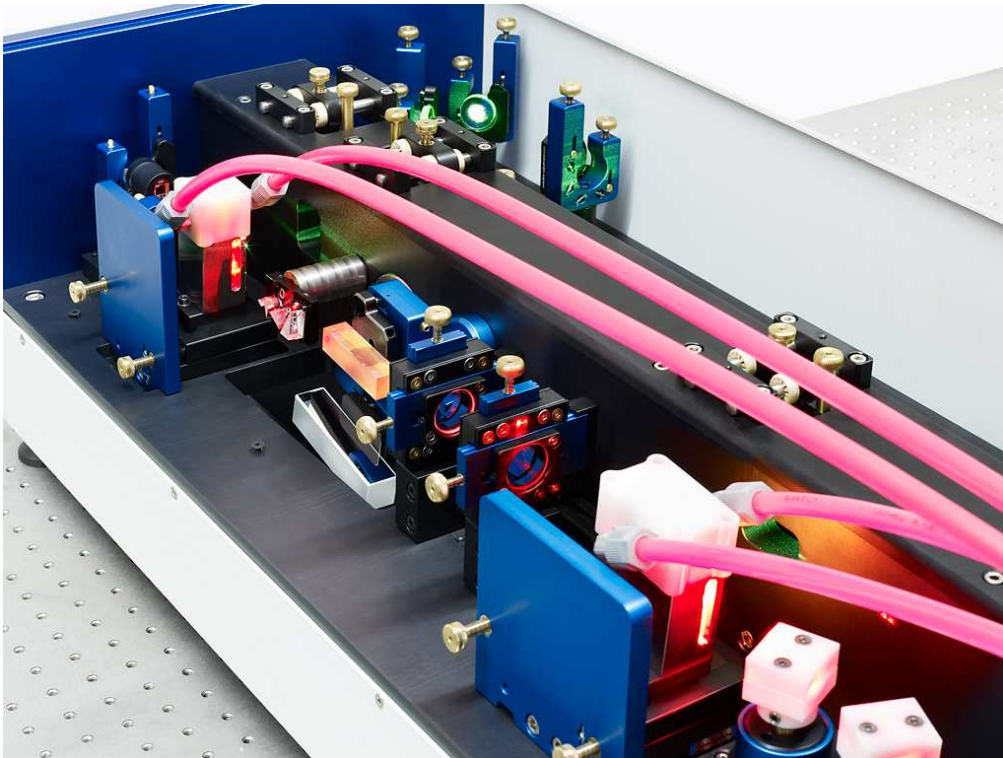
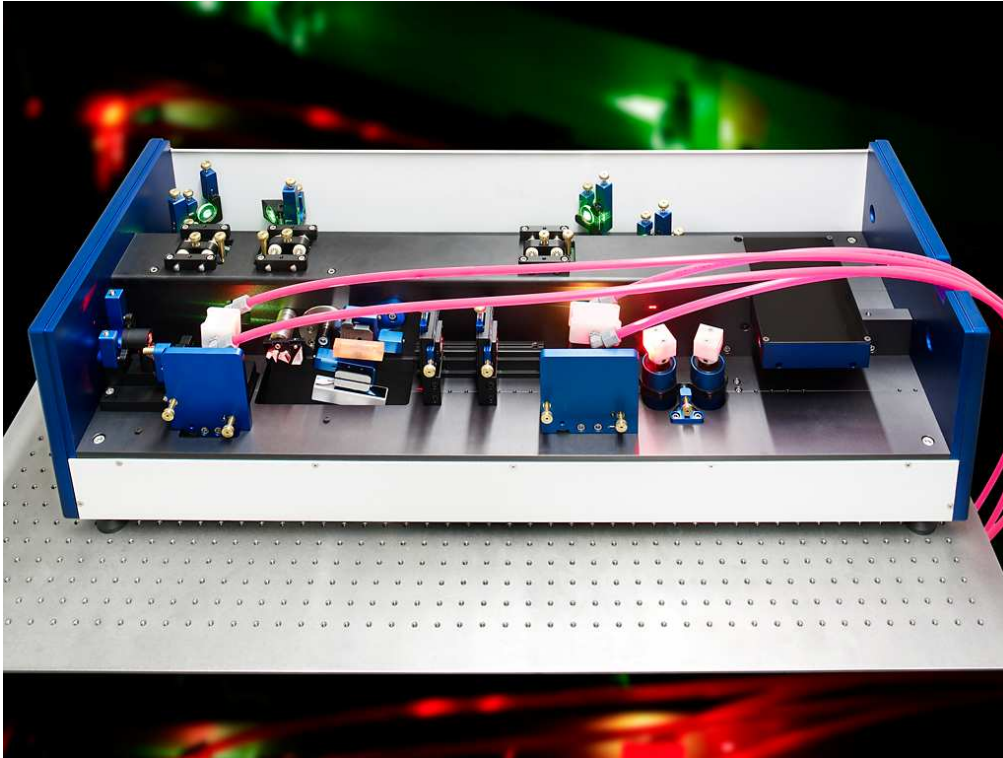


Pulsare

Pulsed Dye Laser





Pulsare

Pulsed Dye Laser

Advantage of NEW PULSARE and PULSARE-S

Resonator:

- Polarisation matched grating incidence resonator
- Two holographic gratings with achromatic prism expander

Amplifier:

- Stainless steel housing for 20mm and 40mm dye cells to prevent cell damages by pump pulse focussing
- Bethune cell with 1.5mm, 2mm, 3mm, 4mm and 6mm diameter
- Selectable exit for dye tubes
- High power pump optic for 355 nm & 532 nm
- Noncritical dye beam alignment due to paraxial prism mounting and increased oscillator- amplifier-beam distance

Mechanic:

- High quality ball bearing dye cell mounts
- Mirror mounts with standard thread pitch of 0.15 mm/turn (170 TPI)
- Registered thread design with lubricant reservoir for long time use
- High stable top adjustable mirror mounts with linear power transmission
- Self-locked cylindrical lens mounts
- High precision high speed sine drive for resonator and frequency conversion units

Electronic / Software

- Internal electronic controller unit
- Synchronous motor movements for resonator, doubling and tripling while scanning
- USB port
- LabView Software
- High speed scans up to 0.5 nm/s

Dye circulator:

- One, two and five litre reservoir
- Easy dye and cuvette exchange
- Repetition rate up to 100 Hz
- Inexpensive filter cartridges
- Dye cells with stainless steel housing

Certification:

- DIN EN ISO 9001:2000
- ISO/TS 16949:2002