

## **8. Modification and Overhaul of Laser and Accessories from all manufacturers**

### **Modification and Overhaul of all commercial available dye lasers, cw- and pulsed**

- Basic adjustment
- Modification to improved bandwidth
- Installation of new gratings
- Improvement of the original mechanic components
- Modification for different pump optics

### **Modification of the Coherent and Spectra Physics dye lasers**

#### **Modification of the Coherent Dye circulators**

#### **Modification of a Coherent pump Geared pump**

#### **Modification of a Spectra Physics pump**

#### **Modification of dye flow cell units**

#### **Modification of Lambda Physik FL 45 Dye-Selectors**

### **General overhaul of all existing Excimer laser**

The overhaul includes for example:

- Disassembly of the laser chamber
- Cleaning and pickling of all components of the discharge chamber
- Polishing and nickel-plating of the electrodes
- Installation of new pre-ionization pins
- Overhaul of the tangential fan, the magnetic valves and vacuum valve
- New O-ring seals
- Installation of the rigid Radiant Dyes cooling tubes
- Helium-leakage test and vacuum test
- New passivation of the laser
- Optimizing for the requested wavelength

**On request we can offer you a qualified and cost-effective training on all existing dye laser (cw and pulsed) and all existing Excimer Laser**