

Yan Xu

Technician

Thornton, CO

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A expert of Gas Lasers, Argon and Krypton Ion lasers, He-Ne laser wavelength 3.39um, 1.52um, 632.8nm, 543nm, 594nm, Polarization random, single mode, multimode laser; laser head setup, Magnet field, Cathode and Anode, Plasma Tube, align the mirrors & Prism. Close cavity, open cavity, Cooling system, control & pass bank in power supply.

Created fixture of laser optics alignment & detector system in Class IV Clean room, used BEAM MASTER align the laser bench, fiber laser diode (808nm)pump Crystal convert wavelength(1.06um) high power laser;CCD camera align the laser mode.

YAG laser eye treatment machine with slit lamp development.

Work Experience

Technician

Laser-Denver, CO

September 2012 to March 2023

Laser team production department in Ascent Solar Technology INC. Scribing Thin film solar panels and Calibrated system, cleaning fiber laser optics. Aligning and cleaning diode pump crystals laser optics

Laser Technician

Ascent Solar Technologies, Inc-Thornton, CO

September 2012 to March 2023

Thin Film Flexible solar panels processed in Miyashi laser processing system, clean and align the laser optics, system and laser calibration.

laser technician II, work

IV Lab, in Particle Measuring Systems Inc-Boulder, CO

December 2005 to May 2009

in laser class IV Lab, in Particle Measuring Systems Inc. Aligned the laser diode optics; fiber laser pump the crystal get 1.06um laser for particle counter, certified trainer of High sensitivity particle counter calibration, and trouble shooting.

Service engineer

Spectra-Physics Lasers Inc-北京市

June 1996 to June 2000

Beijing, China 06/1996 to 6/2000

Service engineer, Spectra-Physics Lasers Inc, Beijing Service center, I was a expert of the gas laser, Argon and Krypton ion laser, alignment the optics of the laser head, PT, set up the power supplies and trouble shooting

Education

Associate in electronic engineering

Central Radio and Television University in China - Beijing, CN

September 1984 to July 1987

Skills

- Low Voltage
- Restoration
- EEG
- CW, pulse laser optical alignment, including visible, invisible
- Components of troubleshooting on pcb
- Schematics
- Assembly
- Mechanical knowledge
- Communication skills
- Customer service
- Forklift
- Microsoft Excel
- Computer skills
- Service technician experience
- Maintenance
- Laboratory experience
- Landscaping
- Field service
- Low voltage
- Cabling
- Electrical experience
- HVAC

Certifications and Licenses

Driver's License

July 2019 to Present

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July 2024 to Present