

VAZ ZASTERA

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Profile

Self-motivated, organized, Master Optician with over 21 years experience in the precision optics-manufacturing field. Proven analytical and management skills with an ability to work in a fast paced, production oriented environment. A team player with excellent interpersonal skills and a strong commitment to client satisfaction.

Work History

LightMachinery

Precision Optical Manufacturing Specialist

2003 to present

Wave Precision (A GSI Lumonics Company)

Supervisor - Prism Department / Optical Manufacturing Specialist.

1988 to 2002

Skills and Responsibilities

Management

- Precision Optics Specialist and primary point of contact in IT optics division.
- Managed and trained staff in all aspects of hand and machine polishing, grinding, assembly, cleaning and inspection of optics.
- Completed performance and salary reviews.
- Prioritized own work and work of 8 junior staff ensuring that a high quality product was delivered on time.
- Assisted in design and setup of hand polishing and prototyping department when company moved into a new 40,000 square foot building in 1996. In 1999, when a second 30,000 square foot building was needed, helped design and set up high volume IT Optics department.
- Attended daily production meetings. Participated in brain storming sessions to establish production techniques for new clients/products.
- Compiled weekly product status reports and forecast future workloads and delivery schedules.

Technical Abilities

- Designed, fabricated and tested custom optics for telecommunication, lasers, instrumentation, aerospace, and medical equipment from prototype to blueprint to finished product.
- Developed techniques for manufacturing, and trouble-shooting, new products and a variety of components in large quantities.

- Utilized highly developed classic hand polishing techniques, as well as machine grinding & polishing, to produce nanometer precision of custom components.
- Calibrated and maintained measuring equipment used in the manufacture of precision optics.
- Extensive knowledge of precision optical contacting, specializing in contacting of coated surfaces and precision blocking techniques.
- Knowledge of surface grinder, rotary blancher, double sided grinder and polisher, continuous grinder and polisher and other CNC operated machines.
- Dealt with a wide variety of optics including all sizes of prisms and flats as well as other micro components, filters, etalons, beam splitters, waveplates, attenuators and fabryperot etalons.
- Knowledge of substrate materials such as fused silica, conventional glasses, flint glass, silicon, crystal quartz, germanium, zinc selenide, yag, aluminum, copper and brass.
- Entered data into manufacturing computer system, working within ISO 9001 Standards.
- Built and tested a “Monolithic Zero Order Interferometer”. This instrument will be put into orbit to study the earth’s atmosphere, and later, to study Mars’s atmosphere in the Mars Science Orbiter Mission.

Customer Service

- Worked with engineers at companies like JDS and EXFO prototyping and trouble shooting new, ‘one of a kind’ products.
- Responsible for quality control of components produced in the custom optic department including client interaction to ensure that customer specifications were met.
- Optical testing using various equipment such as the zygo interferometer, to document and ensure blueprint specifications were followed.

Education

University of Rochester – New York

August 1998, Methods of Optical Production and Emerging Techniques

Total Quality Leadership Workshop – Ottawa, ON

October 1997

Fanshawe College - London, ON

1983-1985, Graduate of Recording Engineering

Carleton University – Ottawa, ON.

1982-1983, Computers

University of Ottawa – Ottawa, ON

1981-1982, Electrical engineering

Almonte High School – Almonte, ON

1977-1981, Received Honors Graduation Diploma - Honor Student

Received **Leigh Instrument Award** for Excellence in Electronics