



Scintrex Limited

Scintrex Limited is a Canadian-owned public company which specializes in the research, design and manufacture of electronic and high-precision mechanical equipment that operates under harsh conditions, often in remote locations.

Mineral explorationists use Scintrex equipment for geophysical and geochemical surveys. Scintrex's portable analyzers allow chemists to measure trace levels of elements almost anywhere. Several CANDU nuclear reactor installations monitor radiation with Scintrex instrumentation.

The company resulted from the acquisition in 1967 of Seigel Associates Limited by the former Sharpe Instruments of Canada Limited, which was founded in 1949. The expanded company was then renamed "Scintrex Limited" and in 1968 was listed on the Toronto Stock Exchange.

Research and Development (R & D) is of paramount importance. In order to remain in the forefront of this high technology industry, the company budgets 10% of its annual sales for R & D. About 45 of its 200 employees are engaged full time in creating new products and developing new monitoring, analytical and exploration techniques.

CONTRACT INSTRUMENTATION DIVISION

Scintrex began developing monitoring instrumentation in 1974, for CANDU nuclear power plants. Since then, the company has manufactured tritium monitors, reactivity control logic cabinets, shut-off rod logic modules, high radiation hand-held monitors and logic panels for safety shut-down systems. CANDU reactor

operators in Ontario, Quebec, New Brunswick, Korea and Argentina use this equipment.

In a two million dollar contract with the US Army, Scintrex is building seven prototype nuclear radiation monitoring systems. This equipment operates in extremes of temperature and dust.

EXPLORATION AND ANALYTICAL EQUIPMENT DIVISION

This is the major part of Scintrex's business. It includes the design, development and manufacture of geophysical and geochemical instruments for the mining industry and analytical instruments for chemical laboratories.

Over the years geophysics has become the key exploration tool for discovering new mineral deposits. The steady depletion of surface ore bodies and consequent need to detect buried deposits have produced a growing dependence on geophysical methods.

Scintrex is a leader in the design, development and manufacture of mining exploration equipment. Its products, services and skills have contributed directly to numerous major mineral discoveries in different parts of the world.

Out of this experience, there is an expertise in developing portable analytical equipment for remote, on site chemical analyses.

RANGE OF PRODUCTS

Radiometrics: Uranium deposits emit gamma radiation. Scintrex gamma-ray detecting instruments for uranium exploration range from scintillation counters and spectrometers used for ground prospecting to complex airborne radiometric systems which collect computer-compatible data.

Chemistry: The company has invested a large portion of its research funds to develop instrumentation for elemental analysis. A major success has been the unique UA-3 Uranium Analyzer, which measures as little as 0.05 parts per billion of uranium in natural waters or aqueous solutions derived from rocks, effluents, biological samples or other media.

The UA-3 has gained wide acceptance as a basic analytical tool for both field and laboratory in exploration, health physics and in process control at uranium mills.

A new instrument, the AAZ-2 Atomic Absorption Spectrophotometer, measures a wide range of metals at concentrations usually below a few parts per billion. Its accuracy is as good as other analysers which usually are many times larger than this typewriter-sized device. It is so portable and easy to hook up that it even measures samples in a tent or ship.

Induced Polarization: Induced Polarization (IP) equipment employed in base metal ground surveying is a major product group. The IP technique was developed by Dr. Seigel, the President of the company, in 1948 and it has played an important role in several major mineral

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Branch distribution and survey offices: Subsidiary company in Australia and sales agents in more than 45 countries.

Scintrex actively exports worldwide, with 80% of its sales from shipments out of Canada. Expansion into the export market is a high priority at Scintrex.