

Aptec Engineering

Aptec Engineering Limited was formed in 1967 as a manufacturers representative providing instrumentation to the nuclear, x-ray, laser and data acquisition marketplace. By 1975, sales offices had been established in Edmonton, Montreal, and Ottawa to provide better customer service. In 1975, the NRD (Nuclear Radiation Development) Division of Electronic Associates of Canada Limited was acquired by Aptec. NRD had been formed in 1946 as a manufacturer of geiger-mueller tubes and nucleonics (nuclear electronics) products. Aptec presently occupies 20,000 square feet of manufacturing and office space and employs about 50 people.

GEIGER MUELLER TUBES

This Division manufactures a wide range of glass, stainless steel, and special purpose Geiger-Mueller tubes for the monitoring of alpha, beta or gamma radiation. At present there are about 25 different tubes which are

in standard production, however Aptec continuously works with its' customer base in developing new tubes to meet changing demands.

GERMANIUM DETECTORS

In 1973, Aptec (NRD) expanded its nuclear detector capability by manufacturing high purity germanium detectors. Today, Aptec is one of the world's largest manufacturers of high purity germanium detectors and these products are sold throughout the world. The product range can be roughly split into four main areas; standard products, portables, environmental, and specials. The demand for the standard and special products continue in high demand. In addition, increased emphasis has been placed on portables and environmental detectors, both "in-field" or laboratory oriented.

HAND AND FOOT MONITORS

In 1975 Aptec started the product development of a hand and foot monitor using its' very sensitive large area flat Geiger-Mueller counters. The resultant product was the Concept 7 and hundreds of these units are now in daily operation in nuclear facilities in North America. More recently, the electronics portion has been upgraded using a microprocessor-based system, resulting in the Concept 7M unit. Because of its increased data analysis capability, faster and more accurate hand and foot monitoring has resulted. The product acceptance has been high and many nuclear facilities in Canada and the United States have chosen the Concept 7M as their primary source of personnel contamination monitoring.

NUCLEONICS SYSTEMS

During recent years, a considerable portion of the company's business has involved the design and manufacture of special purpose nucleonics systems involving special detector design, custom electronics, sophisticated data acquisition systems and user-oriented software. The systems group is oriented around providing a total "turn-key" approach including all necessary training, servicing, and documentation that may be required by the customer.

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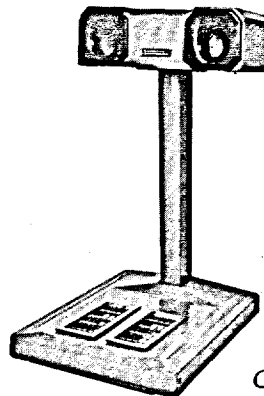
Vice President Marketing

P.B. Stark

Vice President Sales

K.T. Thompson

Aptec is actively interested in export opportunities and presently this accounts for approximately 50% of the manufactured items.



Concept 7M
Hand & Foot
Contamination Monitor