

KEYWORDS: Abradable Seals; Alloys; Castings; Cobalt-Samarium Magnets; Composite Powders; Conductive Plastics; Conductive Parts; Continuous Casting; Dispersion Strengthened Alloys; EMI Shielding; Engine Components; Engine Systems; Magnets; Metal Powders; Nickel; Nickel Coinage; Nickel Powders; Nickel Strip; Powder Metallurgy; Rare Earth Magnets; Specialty Alloys; Thermal Spraying; Ultra Fine Metal Powders; Wear Resistant Materials.

REVISED: February 88

SIGNA + FLASH Ltd

ADDRESS: 9 Parmalea Crescent
Weston, Ontario, Canada
M9R 2X8

CONTACT: Ms Penny Simmons, Vice President - (416) 241-6709

HISTORY: Signa + Flash is a family-owned Canadian company founded in 1979 by its current president and founder, Mr A H Simmons. Mr Simmons started Signa + Flash after retiring his position as founder and 20-year presidency of Braun Electric (Canada) Ltd.

CAPABILITY: Signa + Flash is primarily involved in the creation, design and manufacture of a line of portable battery-operated strobe lights, in particular, the pocket-sized MAY-DAY. The MAY-DAY features a dual on/off switch; that is, it can be actuated either manually or by its unique and completely automatic water-activated switch. As well as flashing intermittently, the larger double-barrelled Signa + Flash strobe light flashes the Morse code SOS. Both lights are intended as alternatives or complements to roadside or marine flares and use regular batteries.

The company has also demonstrated their capabilities in the recent design of a portable sequenced runway lighting system that has analog and digital design capabilities. As well, CAD capabilities, electronic and mechanical.

AVERAGE WORK FORCE: Technologist - 1
Others - 4

GROSS SALES: 1986 - \$ 60,000
1987 - 150,000

PLANT SIZE: No Data

EQUIPMENT: No Data

EXPERIENCE: Present customers include various departments of the Canadian Government, National Defence and Transport Canada, and industries in Canada, the US and abroad. Two US companies utilize one strobe component in their finished products (smoke detectors). As well, the portable battery-operated strobes are being reviewed in Canada and two off-shore countries for use as portable emergency runway and helipad locator beacons. MAY-DAY and SIGNA-FLASH hold Canadian Coast Guard approvals.

KEYWORDS: Strobe Light; Marine Signalling Devices; Flares; Locating Devices; Visual Signalling Devices; Runway Markers; Helipad Markers; Lifejacket Lights; Air Crew Lights.

REVISED: March 1988

SIMMONDS PRECISION CANADA Ltd

ADDRESS: 2752 Slough St
Mississauga, Ontario, Canada
L4T 1G3

CONTACT: Mr Andrew Byrne, General Manager - (416) 678-7430

HISTORY: Simmonds Precision Canada Ltd is a wholly-owned subsidiary of Simmonds Precision Products Inc which in turn is a

wholly-owned subsidiary of Hercules Incorporated. The company has been in Canada since 1947 and has been at the current location since 1975.

CAPABILITY: Simmonds Precision Canada Ltd is the repair and overhaul center for most Simmonds products in Canada. This includes fuel quantity gauging systems, ignition exciters, torque indicators and actuators.

AVERAGE WORK FORCE: Engineer - 1
Others - 6

GROSS SALES: 1986 - \$0.475M
1987 - \$0.500M

PLANT SIZE: 2,800 Sq Ft

EQUIPMENT: Test equipment for electronic and electromechanical equipment.

EXPERIENCE: Present customers include most Canadian airlines, many Canadian business aircraft operators, and Canadian Departments of Supply & Services, National Defense, and Canadian OEM's.

KEYWORDS: Fault Diagnosis; Instrument Repair; R&O (Instruments); Testing/Test Equipment.

REVISED: January 88

SKYWAVE ELECTRONICS Ltd

ADDRESS: 300 March Road, Suite #304
Kanata, Ontario, Canada
K2K 2E2

CONTACT: Mr R G Lyons, President - (613) 592-0908

HISTORY: SkyWave is a Canadian-owned high technology company specializing in digital signal processing for radio and satellite communications. Founded in 1984, it is located in the Kanata Industrial Park.

CAPABILITY: SkyWave is principally involved in the design and manufacture of state-of-the-art voice and data communications equipment for radio and satellite communications, particularly for airborne, mobile and transportable systems. Their main products are:

- Satellite Voice/Data Channel Unit - Model SCU-1
- Suitcase Satellite Voice/Data Terminal
- 2400/4800 bps Vocoders - Model LPC-357
- NAVLINK (air-to-ship) Data Link
- Digital Squelch/Vox Unit for HF Radio

AVERAGE WORK FORCE: Phds - 1
Engineers - 9
Others - 3

GROSS SALES: 1987 - \$1.0M
1988 - \$2.5M (Est'd)

PLANT SIZE: 4,000 Sq Ft

EQUIPMENT: SkyWave maintains well equipped engineering development facilities for DSP, RF & Digital Engineering, and Computer facilities - IBM, Macintosh, TMS 320/32020/320C25, V40, and 68HC11.

EXPERIENCE: SkyWave's present customers include various departments in the Canadian Government, UK, and Australia, and commercial customers in the US, Spain, Austria, Korea, Taiwan, and PRC.

KEYWORDS: Satellite Terminals; Voice & Data Communications; Digital Signal Processing; Air/Ground Data Links; HF Radio; Modems; RF Communications; Telephone Communications.

REVISED: February 88