

**Keywords:** 12 = Machining; Precision Casting = 12.

**Revised:** Dec 83

## **FLEET INDUSTRIES** **(A Division of Ronyx Corporation Ltd)**

**Code:** FLT

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**History:** Fleet Industries began operations in Canada in 1930 as Fleet Aircraft of Canada Ltd. Ronyx Corp Ltd, Box 125, Ft Erie, Ontario L2A 3M6, has two divisions - Fleet Industries (manufacturing), and Ronark Developments (real estate division).

**Capability:** Fleet Industries manufactures major components for the prime Canadian and US manufacturers of commercial and military aircraft; helicopters; satellites; and radar and sonar systems. Fleet was established in Canada in 1930 to design and manufacture aircraft for the world's civilian, transport, and military markets. Between 1930-1950, almost 4,000 complete aircraft were built at Fleet and flown from the company's 2,400-ft on-property runway.

Today the company concentrates its efforts on the production of major components. Fleet has enclosed facilities of approximately 500,000 sq ft, and about 650 employees. Assembly and test methods meet the latest requirements of both civil and military authorities in Canada and the US. Fleet's ability to produce quality products on schedule and at competitive prices has won a high reputation for the company in both commercial and defense work. In 1982, Fleet's sales were more than \$35M including new programs for Raytheon Aegis and Pave Paws radar programs.

### *Aircraft:*

*Boeing* - 707 fin and rudder; 727 aft engine fairing; 747 SP wing-to-body fairing structure; Boeing E3A TF33 engine nacelles; and 757 APU doors.

*Canadair* - Challenger CL600 rudder assembly.

*deHavilland* - DHC-5 bonded components; DHC-6 bonded components; DHC-7 bonded components and engine nacelles; DHC-7 wing leading edges, ailerons; and DHC-8 bonded wing and fuselage panels, inboard and outboard flap assy.

*Grumman* - A6 inboard and outboard flaps, and bonded honeycomb assemblies.

*Lockheed* - L-1011 main landing gear doors (aft dorsal structure & aft engine cowlings), and CP140/P3C flight station.

*McDonnell-Douglas* - A4E speed brakes and flaps; F18A graphite avionics doors; and DC-9 flaps and ailerons (Canada).

*Sikorsky Aircraft* - Black Hawk UH60A Medevac kits, and blade sub-assemblies.

### *Radar:*

*General Electric* - ASR welded antennas.

*Lockheed Electronics* - Gun fire control system antennas and cabinets.

*Raytheon* - Phased array antennas "Pave Paws" & "Cobra Judy", AEGIS.

*Sperry* - Gun fire control system antenna and cabinet.

### *Satellite:*

*Hughes Aircraft* - Solar panel substrates, Anik C, SBS, NASA, Anik D, GOES/GMS, Westar/Palapa B, Leasat, and AT&T.

*Spar Aerospace* - Bonded panels/structures, Anik C, SBS, Anik D, and Westar, spun/despun assemblies for Brasilsat.

### *Sonar:*

*Dept of Supply & Services* - Retractable fixed hull mounted, towed bodies, VDS systems and faired tow cables; and repair and overhaul.

*EDO Corp* - Transducer structure.

*General Electric* - Heat exchangers.

*Westinghouse Canada Ltd* - Retractable fixed hull mounted, towed bodies, VDS systems and faired tow cables.

*Raytheon* - Variable depth sonar (VDS) hoist system.

**Average Work Force:** Total - 650

**Gross Sales:** 1982 - \$35.3M

**Plant Size:** 500,000 sq ft

**Equipment:** Fleet Industries' equipment includes Kearney & Trecker, Sundstrand and Cincinnati numerically controlled equipment, autoclaves, mills, lathes, presses, furnaces and other special equipment associated with aerospace manufacturers. New bonding facility includes 10' x 31' autoclave, water jet cutting, 5-axis NC core cutting and C-scan inspection equipment.

**Experience:** In 1982, from sales of over \$35M, some 90% was exported to the US. Commercial sales accounted for 53% with 47% military.

Facilities and skills have been developed to produce a diversified list of mechanical structures which include radar, sonar, air cushion vehicles, and other defense and commercial assemblies. In the bonding field, Fleet Industries manufactures a wide range of structural components such as antennas, space satellites, electronic cabinets and other specialized items requiring composite technology.

The list of Fleet's customers reads like a "who's who" of the aerospace industry. Boeing, deHavilland, General Electric, Grumman, Hughes, Lockheed, McDonnell Douglas, Raytheon, Sikorsky, Westinghouse, and many others have placed their confidence in the ability of Fleet Industries to produce quality components.

Fleet Industries' Quality Assurance Program meets the requirements of both Canadian Government specification DND-1015 and US Mil Spec MIL-Q-9858A. The average ratio of inspection to direct labor is 1:10. To insure that production of components meets contractual requirements, the Quality Assurance department reviews and defines product quality with the engineering department; collaborates in the review of specifications; generates quality assurance procedures; reviews quality problems; and effects corrective action and reports on departmental quality performance. Standard mechanical inspection techniques are supplemented by magnaflux, fluorescent penetrant, radiography,