

Amertek Inc.

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Crash-fire-rescue vehicles

■ Amertek Inc. produces two basic models of crash-fire-rescue vehicles (CFRV). Both models include an Amertek designed and developed all-wheel drive 4 x 4 chassis with a forward-mounted crew cab. Engines, transmissions and drive axles are selectively matched to suit customer requirements. The truck cabs and bodies are constructed of aluminum to minimize weight and eliminate corrosion, while stainless steel tanks are used to carry water and foam concentrate. Model 2500L is a multirole fire-fighting vehicle, with a capacity to hold 2 500 L (550 imperial gallons). With an overall height of only 2.6 m (8.5 ft.), the vehicle is easily transportable by air. Model 2500L RIV is a rapid intervention vehicle, capable of carrying 250 kg (550 lbs.) of dry powder and 2 500 L of liquid foam.

Company Profile

Amertek Inc. is a manufacturer and distributor of special purpose trucks, custom chassis for municipal fire trucks and airport crash-fire-rescue vehicles. Design and development of all products is done in the company's 15 330 m² (165 000 sq. ft.) plant and storage space. The company was recently awarded major CFRV contracts by the United States Army and Transport Canada.



Crash-fire-rescue vehicle Model 2500L RIV

Andrew Antenna Company Limited

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VHF omnidirectional range antenna systems

■ The standard and doppler VHF omnidirectional range (SVOR and DVOR) antenna systems supplied by Andrew Antenna Company Limited were designed to meet Transport Canada specifications. The antenna system includes the antennas, radomes, mountings, polarization suppression equipment, feed cables and associated connectors.

Microwave communications antenna systems

The company offers complete antenna systems for point-to-point microwave communications between or within airports. The system includes antennas, transmission lines, mounting hardware, pressurization equipment, towers, equipment shelters and installation services. The extremely wide range of designs allows the client to choose an antenna that is optimized to individual requirements.

Weather radar antenna systems

Andrew Antenna recently completed a design and development contract for a large United States manufacturer for a parabolic doppler radar antenna. A production contract was awarded to Andrew for these antennas. They will be used in the U.S. Next Generation Weather Radar (NEX-

RAD) program which is intended to significantly improve the accuracy and timeliness of severe weather warning capabilities.

Andrew Antenna also received a contract from a large Canadian manufacturer to design, manufacture and range test 24 L-band reflectors for Transport Canada's Radar Modernization Project (RAMP), and a further contract from Transport Canada for a study of the design requirements for frangible microwave landing system support structures to be used near airports. This latter project includes the design and fabrication of a frangible support tower and simulated enclosure for a typical azimuth antenna.

Company Profile

Andrew Antenna Company Limited, established in Canada in 1953, is a subsidiary of Andrew Corporation in the United States, a multinational firm with over 50 years of antenna engineering and manufacturing experience. Design and manufacturing efforts of the firm have focused on specialized antenna systems, transmission lines and related equipment. Andrew Antenna also has an established reputation as a designer and manufacturer of air traffic surveillance, weather, navigational, tactical and other special-purpose antenna systems built to meet government and military specifications. Recently introduced products include a complete line of transportable and fixed station high frequency (HF) antennas and devices for military and government communication needs. Approximately 8 036 m² (86 500 sq. ft.) are devoted to manufacturing operations at the main plant located in Whitby, Ontario. Andrew's field service department offers a comprehensive customer service package including program management, delivery, site civil works, tower erection, antenna assembly and installation system testing, as well as warranties.



Microwave communications antenna system