

Robert Mitchell Inc.

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Passenger loading bridges

■ Robert Mitchell Inc. designs, manufactures and installs fixed-type passenger loading bridges as well as new universal bridges that are capable of accommodating all commercial aircraft. The universal-type bridges have a sill height ranging from 2 m to 5.4 m (6.5 ft. to 17.7 ft.) and offer a significant reduction in both capital and maintenance costs, while substantially improving major functional operations. Mitchell passenger loading bridges are installed at all major Canadian airports as well as in many United States airports.

Aircraft deicer

The company manufactures a deicer unit which consists of a truck-mounted boom-type aerial platform equipped with an aircraft deicing fluid spraying system and combustion heaters for deicing all exterior surfaces of wide-body and intermediate-size aircraft. The unit includes fluid tanks containing 5 448 L of water and 2 724 L of glycol. The deicer has a working height of 14.6 m (48 ft.) and a side reach of 6.7 m (22 ft.).

Model L-549F access work platform

The Model L-549F mobile access work platform provides ground personnel with a platform for all aircraft types having access points between 0.9 m and 4.3 m (3 ft. and 14 ft.) in height. The platform is designed to accommodate two men or a total of 230 kg (500 lb.). Operation of the lift and its controls is smooth and positive and the elevating mechanisms incorporate safety features to prevent sudden lowering of the platform. Built-in hydraulic jacks are utilized to maintain stability under varying conditions.

Model TB-561 aircraft tow-bar

The Robert Mitchell Model TB-561 aircraft tow-bar is designed to connect and disconnect quickly from a B-747 aircraft nose landing gear. While the entire tow-bar is completely self-contained and compact, it consists of an aluminum tube, lunette towing eye, tow-bar head and retractable under-carriage. The tow-bar is available in lengths of 305 cm and 406 cm (120 in. and 160 in.).

Model TLS-550 lavatory service truck

The company's TLS-550 lavatory service truck is designed to service all present-day aircraft including the B-747, the DC-10 and the L-1011. The stainless steel tanks are sized to service two B-747 aircraft before recharging of the truck is required. A 66 cm (26 in.) square lift platform is provided to raise an operator, water and waste hose 305 cm (120 in.) above the ground. Other models, including a smaller and more versatile version, are available.



Passenger loading bridge

Passenger loading stair

Robert Mitchell's truck-mounted passenger stair, manufactured under licence, is designed to facilitate the loading and unloading of passengers from all aircraft having doorsill heights ranging from 254 cm to 508 cm (100 in. to 200 in.). The stair consists of a main section (stationary unit), and an adjustable section (telescoping unit) to allow precise positioning of the top platform at the aircraft doorsill.

Potable water truck

The model 402 potable water truck is designed to accommodate all aircraft. Its sanitary, stainless steel tank has a capacity of 1 700 L. The company also manufactures a potable water cabinet, which can be free standing on a base platform, mounted on a terminal wall or mounted on a passenger loading bridge. It is designed for all-weather use and can accommodate hose lengths up to 76 m (250 ft.).

Commissary/cabin cleaning truck

Model CC-570 truck, designed for transport and delivery of supplies, galley modules, equipment and personnel, interfaces with aircraft doors having sill heights ranging from 218 cm to 554 cm (86 in. to 218 in.).

Other Mitchell products include a mobile baggage and cargo conveyor which handles all bulk loading up to 906 kg (2 000 lb.); and a scissor-actuated mobile air traffic control tower including the base and the staircase.

Company Profile

Robert Mitchell Inc. was established in 1851 as a company specializing in foundry work and railway equipment. Over the years, through the acquisition of three reputable firms and, in an endeavour to keep abreast with rapid technological advances, the company diversified and modified its manufacturing facilities. For nearly 21 years, Robert Mitchell has been manufacturing airport ground equipment. A capable staff of some 700 employees enabled the company to become the largest manufacturer of aircraft loading bridges in Canada and to build a solid reputation in the airport equipment field in Canada and abroad. In addition to manufacturing a complete range of standard airport equipment, including commissary trucks, lavatory and water trucks, high-lift platforms, container loaders and trailers, aircraft deicers, tow-bars and passenger stairs, Robert Mitchell has the capability to manufacture special equipment to meet customer specifications.