

systems. Its staff of fully trained technicians are available to customers at every stage, from installation and supervision, to maintenance and repairs. Siemens' preventative maintenance programs rely on fixed cycles of inspection to minimize downtime and reduce service costs. Monitoring and feedback of field data by the Customer Service Department help in the repair and maintenance process.

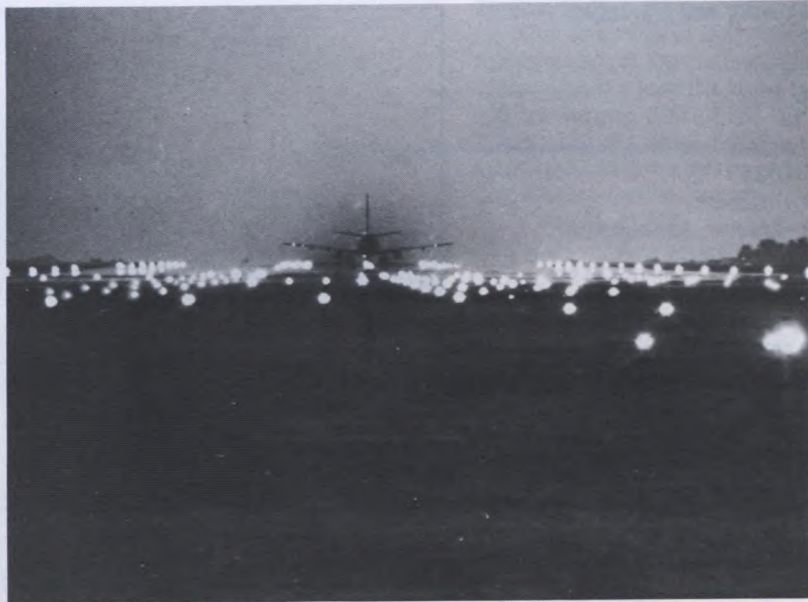
SMI Industries Canada Ltd.

2909 Kepler Street
 Ste. Foy, Quebec
 Canada G1X 3V4
 Tel: (418) 658-0549
 Telex: 051-31514
 G. Boulet, Sales Manager
 J. Martineau, Vice-President, Research and Development

Series 324D airport runway sweeper

■ The SMI Industries Canada Series 324D airport runway sweeper was designed to clear large areas, quickly and efficiently, all year round. Coupled to almost every size towing vehicle, the Series 324D sweeps a strip 3.7 m (12 ft.) wide on each pass, effectively, at speeds of up to 48 km/h (30 m.p.h.). The SMI Series 324D airport runway sweeper is equipped with a diesel power unit producing 200 kW (270 hp). The broom is 4.2 m (14 ft.) long with a diameter of 0.9 m (3 ft.), made of tufts fastened to rings mounted on a tubular arc. The broom is free to move up and down to follow irregularities of the runway and can be swung 30° to either side into the working position. For cleaning runway lights a selector valve on top of the engine cowling above the main control panel reverses the rotation of the nozzles relative to the broom. With the broom out of the way, the machine can be driven with one air nozzle close to the line of lights.

Other models with different power units and broom drives are available. SMI also offers a self-contained unit with a hydrostatic broom drive, a 200 kW (270 hp) power unit, and a blower capacity of 29 000 m³/h (1 024 000 ft.³/h). SMI sweepers have been sold to the United States Air Force and Navy for use at most of their overseas airports. More than 50 SMI sweepers are also present at airports in the United States, Iceland, Europe, Korea and Argentina, and over 60 units have been sold to the Canadian Department of National Defence, Transport Canada and a number of Canadian agencies.



Design aspects of modern airfield ground lighting systems

Model 7500 snowblower

SMI manufactures a complete line of self-propelled and detachable snowblowers with capacities ranging from 2 000 to 7 500 t/h. The SMI 7500 is a powerful self-contained all-diesel snowblower comprising an all-wheel-drive truck chassis with cab-over engine, right-hand drive for maximum visibility and easy operation. The independent diesel engine is mounted over the rear axle with appropriate gearing to power the snowblower. Use of a telescopic loading chute allows snow to be cast at accurately controlled distances. The four-wheeled vehicle, having a capacity of 2 600 t/h, is powered by a 160 kW (210 hp) Detroit diesel engine. The SMI 7500 snowblower is specially designed to clear runways at a speed of 50 km/h (31 m.p.h.). SMI snowblowers have been exported to countries including Argentina, the United Kingdom, the United States, Yugoslavia and Denmark.

SMI RBB 2000 snowblower

The SMI RBB 2000 is a unique multi-purpose vehicle using the single engine concept. The unit which is normally equipped with a powerful rear mounted air blower (29000 m³/h) can alternately power a front mounted 2 700 t/h high speed blower, a sweeping broom head or a plow. Use of close-loop hydrostatic systems for carrier and attachments along with the single engine principle make this optimum design the best choice for medium size airports.

Firemaster Model CRV-4-1000 crash-fire-rescue vehicle

The SMI Firemaster Model CRV-4-1000 is a complete crash-fire-rescue vehicle consisting of a chassis and a fire-fighting, water and foam system. The unit is designed and constructed utilizing modern techniques and components and is in compliance with the latest standards and regulations put forth by the Federal Aviation Administration, the Federal Highway Administration Motor Carriers Safety Regulations, the National Fire Prevention Association and the Department of National Defence. The foam tender produced by SMI is based on a special vehicle 4X4 or 6X6 chassis with a two- or four-man cab. The vehicle is capable of achieving speeds up to 100 km/h (62 m.p.h.) and accelerating from 0 to 80 km/h (0 to 50 m.p.h.) in 34 seconds. The water and foam tanks have a capacity of 4 550 and 600 L (1 000 and 130 imperial gallons), respectively.

Aircraft tow tractors

SMI manufactures three models of aircraft tow tractors with draw-bar pulls of 2 720 kg (6 000 lb.), 6 580 kg (14 500 lb.) and 13 620 kg (30 000 lb.). The SMI model T-14500 tow tractor, having a draw-bar pull of 6 580 kg (14 500 lb.), is powered by a V8 Chrysler LH-318 engine with a power rating of 122 kW (164 hp) at 3 600 rpm.