

Company Profiles

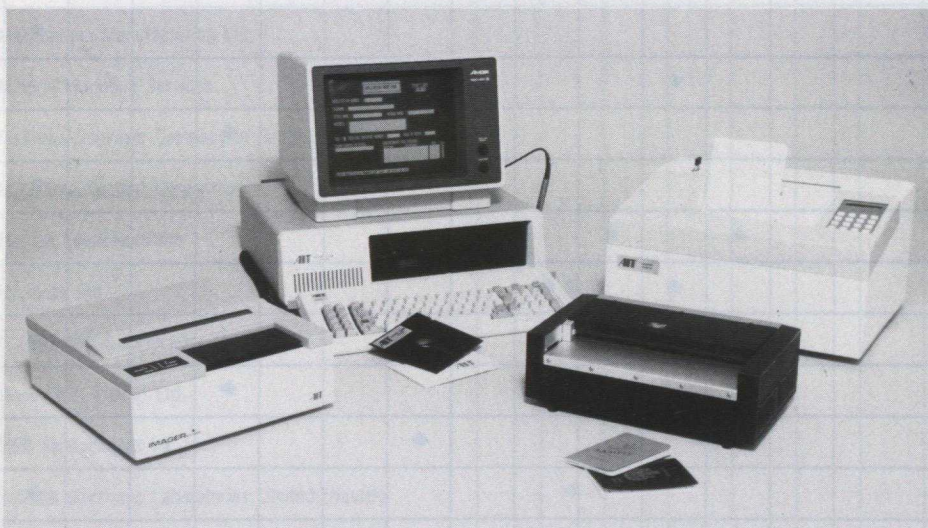
Advanced Information Technologies (AIT) Corporation

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Secure machine readable documents

■ Advanced Information Technologies (AIT) Corporation specializes in the issuance and inspection of Machine Readable Passports (MRPs), Machine Readable Visas (MRVs) and Machine Readable ID Cards (MRIs). The International Civil Aviation Organization (ICAO) has developed a standard for MRPs that member countries are in the process of implementing. To date, all nations that have introduced MRPs and MRVs have used AIT equipment.

AIT Machine Readable Document Issuance Systems are designed for decentralized and centralized operations. They can be cost effectively employed for remote or central domestic issuance locations via modular growth. Each system is customized to the specific requirements of individual governments and handles all document issuance functions. Inspection products consist of secure machine readable document readers, physically packaged for inspection port requirements, and terminals to display the information that has been read.



Machine readable passport issuance system

Company Profile

AIT, established in 1973, has gained an international reputation as a leader in the development of turnkey, computer-based systems, aerospace technology and systems based on image reading and OCR technology. AIT is a wholly owned Canadian company with headquarters, research, design and manufacturing facilities located in Nepean, Ontario. The firm has facilities encompassing 2 790 m² (30 000 sq. ft) and a staff of approximately 90 employees.

Aeronautical Training Systems Inc.

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ATS System 80 mini-mobile control tower

■ The Aeronautical Training Systems Inc. (ATS) System 80 mini-mobile control tower was developed to meet all operational requirements for temporary air traffic control. The tower is 2.4 m by 3.0 m (8 ft. by 10 ft.) and over 2.4 m (8 ft.) high, and contains two fully equipped control positions. The system was designed for rapid deployment to meet emergencies at an operational airport. All-round and overhead visibility is provided by thermopane glass windows and overhead skylights. Considerable attention has been

paid to operator comfort so that the system may be used for extended periods as a temporary tower. It may be operated from 110 or 220 V ac power, or from 12 V dc power, generated by the vehicle engine. Internal storage batteries provide up to 30 minutes of operation without external or engine power.

ATS 4/32 air traffic control radar simulator

The ATS 4/32 is a state-of-the-art air traffic control (ATC) radar simulator for training students in both procedural and radar environments. The ATS 4/32 can be used to create realistic plan view displays for both en route and approach control, and is flexible enough to allow four separate simulations to occur at the same time. These simulations can be co-located, overlapping, or completely separate. The playing area for each sector can be as large as 1 000 nautical miles square, and can be located anywhere in the world. The ATC displays use raster scan technology to give a high resolution image. The image can correspond to primary radar returns, secondary surveillance radar (SSR) returns, or full digital data blocks. The software corresponds to the Canadian JETS (joint en route terminal system) display, but can be modified to meet other display formats. Extra pilot or student positions may be added by simply connecting the new units to the network.

ATS Model 851 air traffic control signal light gun

The ATS Model 851 air traffic control light gun is powered by internal 12 V Nicad batteries, has a 100 W quartz halogen lamp and flashes red, white and green colours. When the light is not in use, it is placed in the charge holder. When the batteries are fully charged, the charger automatically switches off to prevent overcharging.

Company Profile

ATS is a wholly owned subsidiary of Ballistech Systems Inc. (BSI) and is currently operating as a division of BSI. ATS designs and manufactures air traffic control equipment, including radar and procedural trainers, mobile air traffic control towers, light guns and associated peripherals. BSI and ATS are high-tech engineering companies with experience in aerospace, defence and related fields. The firm has undertaken numerous tasks for the Department of National Defence, Transport Canada, the Department of External Affairs, Spar Aerospace, Aviation Electric, the SNC Group, the International Civil Aviation Organization, and NATO governments.