

# SST Ticket Spitter®

## Model MG 1000



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### Features:

- Modular SST Ticket Transport Mechanism with magnetic read head, thermal printer and Burster/Feeder Assembly
- Rust-resistant aluminum construction
- On-line or off-line operation
- Backlit LCD message display
- Advanced AutoRead Controller with built-in diagnostics and activity reports

### Options:

- Dual ticket stack
- Ticket retract capabilities
- Backout ticket identification
- ValueCard System
- Credit Card Processing System



Secure ticket handling system

### Secure Ticket Control

Designed to accommodate many different parking applications and configurations, the Federal APD machine readable SST AutoRead System provides the most efficient means of revenue control available today. This closed-loop system begins with the SST Ticket Spitter which can be used to issue a ticket to daily (transient) parkers, or control prepay and cashless transactions.

### Smart System Transport (SST®)

The SST Ticket Spitter utilizes contemporary technology to provide you with a completely flexible system for machine readable parking operations. The unit utilizes a modular SST Ticket Transport Mechanism that features robust components, magnetic read/write heads, thermal printer, and a Ticket Burster/Feeder mechanism that snaps apart tickets.

With its innovative design, the SST Transport/Validator Mechanism is capable of processing daily (transient) tickets, access cards, and credit cards.

The transport's clam shell design provides easy access to the ticket stream and magnetic read/write heads, while the detachable Ticket Burster/Feeder Mechanism is easily removed without tools. The SST Transport Mechanism is used throughout the SST product line - which keeps your stocking requirements at a minimum.

### Ticket Burster Mechanism

The Ticket Burster/Feeder Mechanism eliminates the need for a cutter assembly by bursting the perforated tickets apart as they ascend into the transport mechanism. This reduces the paper dust and maintenance problems associated with cutter blades.

The Burster Assembly can choose tickets from two ticket stacks. This dual capability substantially increases the number of tickets available (up to 10,000 before refilling).

### Recall Capabilities

Occasionally, clients may trigger a ticket dispenser and backout, leaving the ticket in the ticket chute. On other occasions, a ticket is issued and the driver backs out to use it illegally. The SST has the capability of recalling either ticket from the system by either retracting and depositing the ticket into a vault, or if on-line, by flagging an illegal ticket through detector and directional logic for future action.

### Thermal Printer

The SST Transport Mechanism has the added benefit of an industrial thermal printer, allowing you to print man-readable and data information as well as other messages or advertisements on the ticket. Thermal printers give you a crisp, well printed ticket and do not need ribbons.



**FEDERAL APD**

Federal Signal Corporation

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## Specifications

### 1. Purpose

The Model MG 1000 SST Ticket Spitter shall be a ticket dispensing, reading, and verification device. As a dispenser device it shall dispense a magnetic striped ticket to incoming parkers, which provides a vend signal. If equipped, the device shall accept magnetically encoded parking passes and credit cards, which provides a vend signal. The vend signal shall activate a barrier gate or other barrier to allow access.

### 2. Features/Functions

- a. The SST Ticket Spitter shall be designed to dispense a magnetic ticket.
- b. A two-line by 20-character backlit liquid crystal display (LCD) shall be readily visible to the patron when extracting the ticket.
- c. If the device is a push button type, the patron shall push the "Push for Ticket" button to issue a ticket. If the device is used in an automatic issue mode, the ticket shall be issued as the vehicle is detected on the arming loop.
- d. When the ticket is issued, it shall be encoded with the following information: (1) Ticket number, (2) Date and time of issue, (3) Status of the ticket, (4) Fee number, (5) Repay fee number.
- e. If the Retract option is activated and the patron does not take the ticket within the programmed time, or if a backout without ticket occurs, the SST Ticket Spitter shall retract the ticket, encode it as a voided ticket, and deposit the unused ticket in a ticket hopper.
- f. The AutoRead Controller shall allow for local programming of the SST Ticket Spitter via the unit's keypad. Programming information shall include: (1) Starting ticket number, (2) Issue speed, (3) Retract time, (4) Issue fee number, (5) Repay fee number, (6) The first line of print - which may be up to 24 characters long, (7) The first eight characters of the top line of the LCD display.
- g. The AutoRead Controller shall provide the capability to view Total Event and Exception Event reports on its LCD

display

- h. Optional Features include (1) Ticket retraction capabilities, (2) Push button operation, (3) Intercom installed on the face plate, and (4) Capabilities to communicate with a Port Controller to provide communications with the PC-based SCAN/Scan Net System.
- i. The SST Ticket Spitter shall be UL Listed (Canada/U.S.), and shall be available with the CE Mark.

### 3. Dimensions

- a. Maximum overall dimensions for the SST Ticket Spitter shall be 20 in W x 44 in H x 20 in D (508 mm W x 1118 mm H x 508 mm D).
- b. The cabinet base shall be 20 in W x 44 in H x 16 in D (508 mm W x 1118 mm H x 406 mm D).

### 4. Electrical

- a. Power input requirements shall be 115 VAC at 6 Ampere. Optional power input requirements shall be 220 VAC at 3 Ampere.
- b. The AutoRead Controller shall be powered by the controller power supply assembly.
- c. The SST Transport Mechanism shall be powered by a separate 24 VDC power supply.

### 5. Construction

- a. The SST Ticket Spitter housing shall be of heavy gauge, all aluminum welded construction, and shall be designed for all weather use.
- b. The cabinet shall be finished in a powder coat paint in either Federal APD Safety Yellow or Federal APD White (as specified) for maximum visibility and safety. Other colors shall be available when specified. The front panel shall be black.
- c. The cabinet shall provide two access doors for easy serviceability and loading of tickets.
- d. The cabinet shall be compartmentalized to allow access to the tickets or to the AutoRead Controller.
- e. The front of the cabinet shall consist of

an aluminum cast face plate, 1/4 inches (6.25 mm) thick, molded, and machined to ensure durability and a high level of quality.

- f. The SST Ticket Spitter shall provide one ticket stack standard with an option for two. Each ticket stack shall have a capacity for at least 5,000 tickets.
  - g. A 500 watt heater assembly shall be provided in the inside of the cabinet.
  - h. The SST Ticket Spitter shall include an SST Transport Mechanism which shall be fastened to the unit's cabinet by a spring-loaded fastener. The device shall be constructed of heavy-gauge aluminum with precision machined parts, sprockets and levers. The SST Transport Mechanism shall be a clam shell design, allowing for quick access by service personnel.
  - i. The SST Transport Mechanism shall use a Ticket Burster Mechanism to separate issued tickets from the ticket stack. The Ticket Burster Mechanism shall mate with the Ticket Feeder unit.
  - j. The SST Ticket Spitter shall include an AutoRead Controller, power supply, terminal board, and a Configuration Module. The Configuration Module shall be a factory programmed microcontroller (an encapsulated pc board that utilizes surface mounted technology). The Configuration Module plugs into the power board and defines the software options used in the device.
  - k. The AutoRead Controller shall provide all logic control and monitoring functions of the SST Ticket Spitter.
- ### 6. Reports
- a. The device's SST AutoRead Controller shall provide the capability to view Total Event and Exception Event reports on its visual display. Total Event reports shall provide messages for all conditions in the lane. Exception Event reports shall provide a list of unusual events in the lane.



42775 Nine Mile Road • Novi, Michigan 48375 • U.S.A.  
Tel: (248) 374-9600 • Fax: (248) 374-9610  
Sales: (800) 521-9330 • Canada: (800) 331-9144  
<http://www.FederalAPD.com>

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