



# FALCON

## Currency Validator

### Features



**Falcon's Model G3V  
(Rear-Load Stacker,  
Up-Stack Position)**

- High-speed acceptance – validates and stacks a bank note within 3 seconds
- High capacity memory – supports up to 64 currency databases
- 4-way bank note acceptance
- Highly efficient unit ideal in harsh, unattended and remote locations
- Beltless-drive mechanism for increased low-temperature efficiency
- O-ring drive rollers to minimize dirt build up and eliminate bank note slippage
- Front or rear stacker loading and access available
- Stacker options – none, 200, 400, 600, and 1000 note capacities
- Optional Ticket-In/Ticket-Out with 2-Way Barcode Reader
- Available in 12V or 24V versions
- Model FL-6 mounts directly into gaming machines with industry standard footprint
- Innovative stacking system allows more notes to be stacked
- Patented Soft-Drop Analyzer software records stacker transactions
- Sleep mode – low power consumption with wake-up sensor (12V and 24V units draw 5.7 mA (max); 24V unit draws an additional 1.47 mA/volt above 29V).

FALCON uses Digital Signal Processor (DSP) technology to achieve fast, reliable bank note recognition. With GPT's proven, patented RGBI optical technology, FALCON can validate currency from most countries — nothing to configure, no hardware to change.

Using its high capacity resident memory, FALCON can process up to 64 different bank notes in all four directions. FALCON's advanced software databases ensure rapid recognition of more than 60 currencies worldwide. FALCON allows multiple currency databases to be stored simultaneously!

FALCON was specifically designed for use within harsh, unattended and remote locations where reliability is of prime importance. The unit features a heavy-duty ABS plastic bezel, which is backed by a steel frame. Internally, the optical housings are sealed to protect the electronic components against liquid intrusion. The anti-stringing system uses GPT's unique optical array to provide the highest possible security.

FALCON's versatile family of currency validators accommodates a variety of Stacker mounting positions. With our rear-load unit, Model G3V, the Stacker can be positioned in an up- or down-stack orientation – merely turn the unit over. For installations that require a front-loading Stacker, our front-load units, Models FL-4 and FL-6, are the ideal choices.

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## TECHNICAL SPECIFICATIONS

### Validation & Security

- Digital signal processor validates a bank note in less than 0.2 seconds
- High-level security patented RGBI optical scan technology provides positive bank note recognition
- High-level fraud protection via advanced software and optical anti-stringing detection.

### Currency Accepted

- 4-Way acceptance of bank notes from 60-mm to 78-mm wide
- Multi-country databases for acceptance of up to 64 bank notes.

### Communications Protocols

- Built-in MDB, V2.2, or CCTalk serial protocols
- Optional ID-003, A2A or High Level protocols
- Low-power standby available with MDB.

**Falcon's  
Model FL-6  
(Front-Load  
Stacker)**



**Falcon's Model FL-4  
(Front-Load Stacker)**

### Power Supply Requirements

- 12 VDC supply option: 250 ma @ 12 V Idle; 2.5 A operational, max.
- 24 VDC supply option: 150 ma @ 24 V Idle; 1.5 A operational, max.

### Environmental Factors

- Temperature range from -15° to 65°C
- Humidity range from 5 to 95% R.H. non-condensing.

### Stacker Capacities & Options

- 200, 400, 600, and 1000-bill stackers available with key locks
- Optional Patented Soft-Drop Analyzer software records all stacker transactions – can be quickly downloaded for accounting and Management Information purposes
- Variety of stacker mounting positions:
  - Model G3V with rear-loading up/down stacker options
  - Models FL-4 and FL-6 with front-loading stackers

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