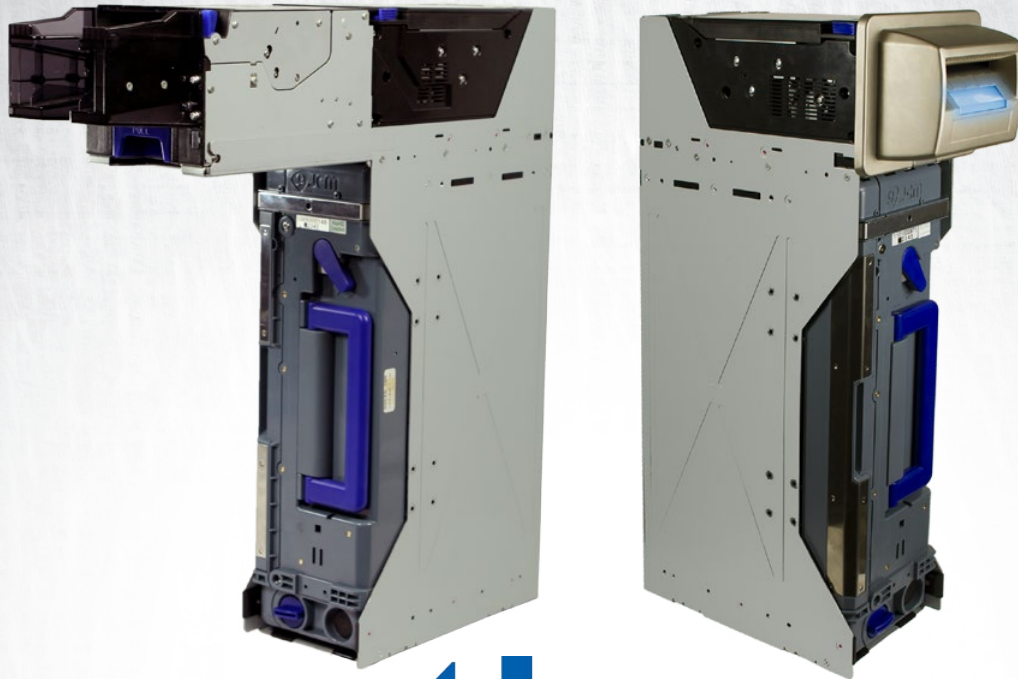


# BETTER. SMARTER. FASTER.™



**tbov**<sup>™</sup>  
TRANSACTIONAL BILL VALIDATOR

JCM Global's TBV™ is the better, smarter, faster solution for single note and bulk note transactions. At processing speeds of 1.7 seconds for fixed width notes, TBV is the fastest in its class, and its proven advanced technology provides the highest level of counterfeit detection. It is perfect for self-pay kiosk operations, retail safes, ticketing/transit operations, automated deposit systems and banking operations.

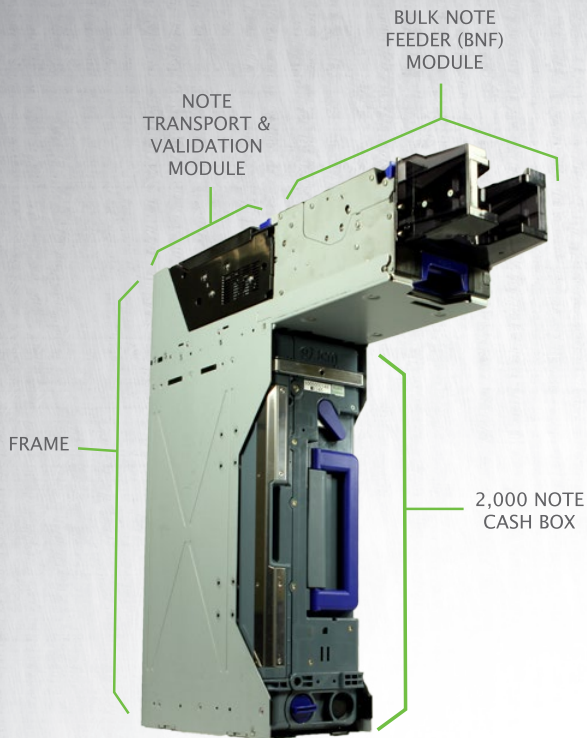
## FEATURES

- Single note & bulk note applications
- Bulk note feeder accepts up to 50 notes
- Double-locking cash box
- Wide bezel opening
- Impact resistant & easily accessible 2,000 note cash box
- Bulk Note Feeder (BNF) processes notes from the bottom of the stack
- Simultaneously accepts multiple denominations & currencies
- Dirt & liquid resistant sealed bill path
- Intelligent Cash Box (ICB®)
- Self-centering mechanism

## BENEFITS

- One device for multiple uses
- Quick processing of large stacks of notes
- Adds extra layer of security
- Easy entry of notes from 60mm to 85mm
- Increases cash handling security & reduces cash handling time
- Allows additional notes to be added on top of deposits in process
- No need to sort banknotes prior to insertion
- Keeps dirt & moisture out, maintaining a high acceptance rate & lowering maintenance
- Reduces accounting variances & tracks asset number
- Allows acceptance of most of the world currencies





### BANKNOTES ACCEPTED

- Width: 60 – 85mm
- Length: 110 – 170mm

### NOTE-TO-NOTE PROCESSING SPEED

- Approx. 1.7 sec, fixed width
- Approx. 2.0 sec, variable width

### NO. OF BANKNOTE TYPES SUPPORTED

- 100 banknote types in 4 ways

### ACCEPTANCE RATE

- 98% or higher

### CASH BOX CAPACITY

- 2,000 for new notes

### POWER SUPPLY

- 24VDC +/- 5%

### POWER CONSUMPTION

- Idling: 0.2A
- In Operation: 2.0A
- Peak: 5.3A (max 3.3A for 3 sec)

### INTERFACE

- Photo-coupler (ID003), RS232 (ID003), USB 2.0, ccTalk

### SOFTWARE DOWNLOAD

- Through USB port
- Download tool available

### OPERATION TEMPERATURE

- -15 to 60 °C (5 to 140 °F) without BNF
- 5 to 50 °C (41 to 122 °F) with BNF

### INSTALLATION

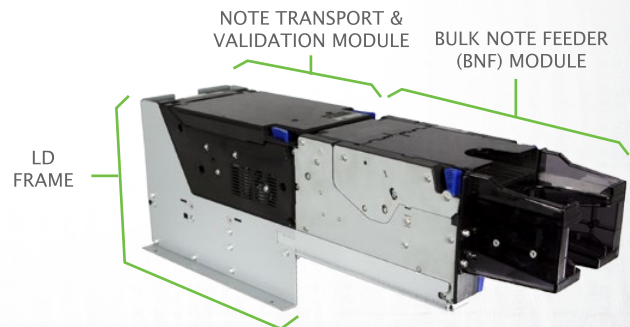
- Indoors and Outdoors

### DIMENSIONS (HxWxD)

- With BNF  
475.8x114x468.9mm (18.73x4.49x18.46")
- With Shutter Bezel  
483.5x140x289.17mm (19.04x5.51x11.38")

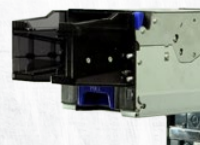
### OPTIONS

- Standard plastic single note bezel
- Metal single note shutter bezel
- LD frame (stackerless frame w/o cash box)
- Intelligent Cash Box (ICB®)



### TBV LD

No cash box option (stackerless)



BULK NOTE FEEDER (BNF)



SINGLE NOTE STANDARD BEZEL (FIXED WIDTH ONLY)



SINGLE NOTE SHUTTER BEZEL



AMERICAS: 1.702.651.0000 • AUSTRALASIA: 61.2.9648.0811 • EMEA: 49.211.5306.4550  
JAPAN: 81.6.6703.8400 • MACAU: 853.2872.2684 • US: 1.800.683.7248

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