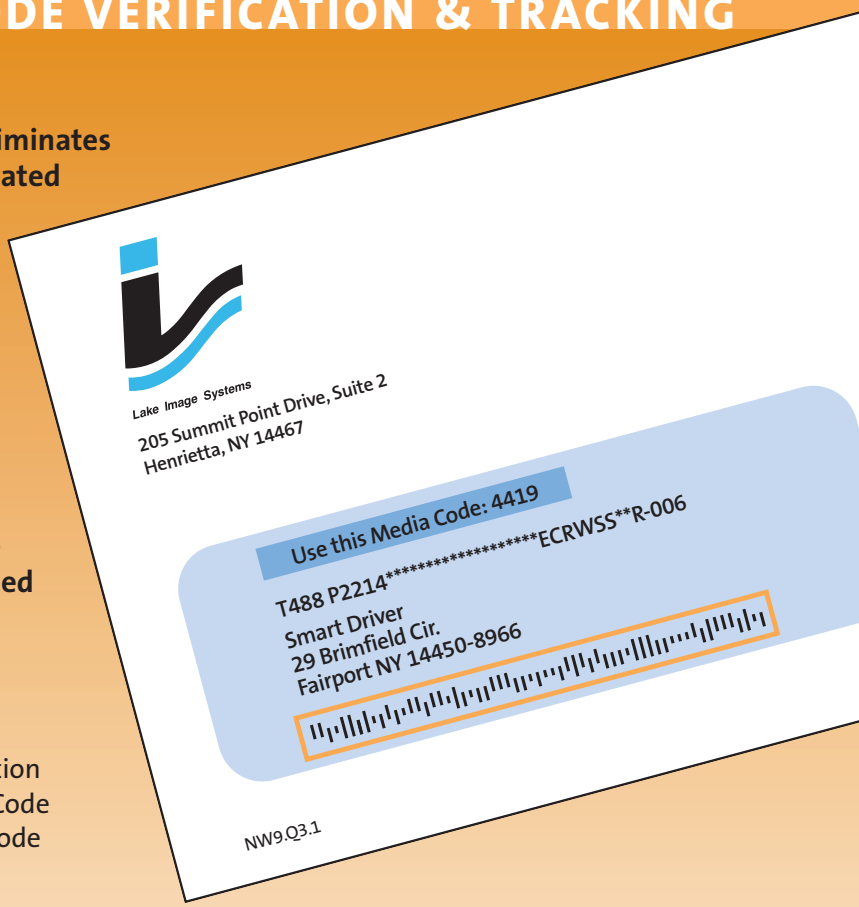
IntegraVision™

INTELLIGENT MAIL BAR-CODE VERIFICATION & TRACKING

IntegraVision's Intelligent Mail Bar-Code tool eliminates costly re-work, spoilage and postal errors associated with poorly printed IMB codes. IntegraVision additionally provides simultaneous tracking verification to ensure no missing or duplicate pieces (IMB codes) are produced within a production run.

Integrated at the output of an inserter, mailing base or stitcher, IntegraVision warns of deteriorating and/or failing IMB decodes, enabling users to optimize postage automation discounts. IntegraVision analyzes each bar-code based on the same dimensional standards utilized by the USPS including:

- Streaks
- Voids
- Correct number of bars
- Bar height
- Zone clearance
- Bar rotation
- Proper spacing
- Tilt
- Skew
- Bar width
- Check digit verification
- Decodes each IMB Code
- Records each IMB Code



Capable of analyzing laser, inkjet and alternatively printed IMB codes, IntegraVision provides machine control outputs (machine stop, divert or operator alert) when a user definable number of invalid codes is identified and provides comprehensive reporting.

Since the Intelligent Mail Bar-Code contains user definable character spaces, the user can apply sequence numbers or unique identifiers within the IMB. IntegraVision identifies missing/duplicate pieces by verifying sequence on these user definable characters or by comparing these identifiers to a database. This provides the user with immediate IMB quality verification & piece level integrity tracking from the same verification system.

Based on a Windows platform, the IMB verification tool works simultaneous with IntegraVision's other software tools. The same system providing IMB verification can simultaneously provide:

- Matching
- Sequencing verification
- Comparing production to print file information
- Tray break & bundle break sorting
- Base stock verification
- Address masking verification
- Production & piece level integrity reporting

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SPECIFICATIONS:

INPUT DEVICE
- High resolution area scan camera

SPEED
- 90,000 pieces per hour

TRIGGERING
- Leading edge sensor
- Encoder (optional)

PC SPECIFICATIONS
Operating System
- Windows XP

Processor
- Intel Pentium IV (minimum)

Chassis
- Desktop PC (supplied with system)

Power
- 110V

OUTPUTS
Digital Outputs
- Opto-isolated outputs for machine control
  - Divert
  - Machine stop

Data Outputs
- RS-232 serial output
- Network output (TCPIP)

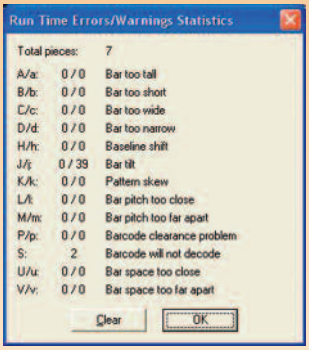
REPORTING
- Status of each piece
- Decode of each Postnet code w/time/date stamp
- Run time errors/warnings for each failure type

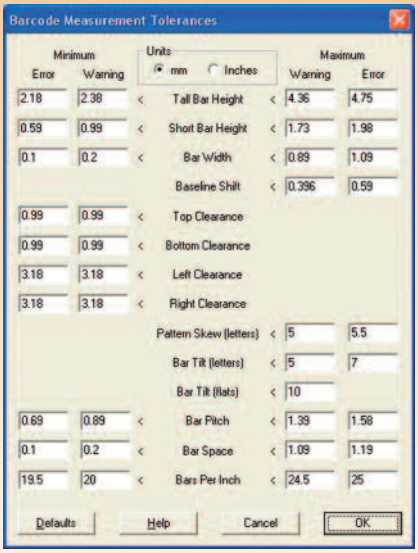
INTERFACE
- Simple set-up, operation and job storage
- User definable tolerances for each Postnet measurement criteria

STANDARD CONFIGURATION INCLUDES:
- PC
- Monitor
- Keyboard & touchpad
- Cabling
- Trigger sensor
- Camera bracket
- Camera
- Lighting
- I/O kit
- IntegraVision PV software

OPTIONS
- Encoder trigger
- Monitor stand
- Additional IntegraVision software tools including: sequence verification, file audit, batch/sort, base stock verification, matching, OCR, 2-D/linear bar-code tool and address masking tool

EQUIPMENT INTEGRATION
IntegraVision PV can be reliably added to the output section of:
- Inserters
- Inkjet equipment
- Stitchers
- Polywrap lines
- Mailing base equipment
- Plastic card processing equipment





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