

# BarProof™

## Barcode Decoder & Verifier

Grade: F

Grade: A

Grade: B

Grade: C

Grade: D

Grade: E

Verify *all* barcodes on a press sheet instantly!

## Verify an entire press sheet in one pass!

Global Vision's BarProof™ automatically locates all barcodes on a label, carton or press sheet, and grades each barcode according to CEN/ANSI/ISO standards.

- > Verify & decode linear 1D & 2D barcodes



## Global Vision's BarProof™ Benefits:

- > Instantly locates and grades all barcodes on a press sheet
- > Simple to use
- > Color coded reporting
- > Easily identifies pass/fail barcodes
- > ISO/ANSI/CEN compliant
- > 21 CFR Part 11 / Annex 11 compliant
- > No need for more hardware, use your existing ScanTVS™ scanner

## Why Verify?

Barcode verification is your insurance policy for the highest quality barcode in your supply chain, thus enhancing your supplier customer relationship.

## Why Can't I Just Use a Barcode Reader?

A barcode that is 'read' with a wand provides no guarantee that it will be readable with another wand, nor that it can be properly verified. In addition, a barcode reader might tell you that your barcode is unreadable, but it won't identify the problem.

Our Barcode Verifier takes precise measurements of each individual bar and qualifies each barcode from A to F based on the grading criteria below. Knowing the barcode grade will allow you to take any necessary corrective actions.

## Grading Criteria:

**Decode** - Checks if the scan line data can pass the reference decode algorithm

**Symbol Contrast** - Checks the difference between the minimum and maximum reflectance of the scan line

**Minimum Reflectance** - Checks that the minimum reflectance is less than half of the maximum reflectance

**Minimum Edge Contrast** - Checks the smallest edge contrast found in the scan line

**Modulation** - Checks the ratio of the minimum edge contrast to the symbol contrast

**Defects** - Checks for reflectance non-uniformity along the scan line

**Decodability** - Checks the accuracy of the barcode printing and image in relation to the appropriate symbology reference decode algorithm

## Standards Compliance:

ISO/IEC 15416

ISO/IEC 15415

21 CFR Part 11 / Annex 11

## Supported Symbologies:

### Decoding and Verification

- » UPC/EAN/JAN
- » RSS/GS1 Limited
- » RSS-14
- » RSS-14 Stacked
- » Code 39
- » Code 128
- » Codabar
- » Interleaved 2 of 5
- » Data Matrix

### Decoding Only

- » Pharma Code
- » Matrix 2 of 5
- » Code 11
- » Korea Post
- » MSI Plessey
- » Telepen