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## MACHINE VISION CONSULTING

IMPROVING VISION ACROSS INDUSTRY

### Overview

CodeSure™ provides automated high-speed character verification on manufacturing product codes. CodeSure™ works on codes applied to a product container by an ink-jet printer, a thermal transfer unit, or a hot-stamper. The CodeSure™ product consists of a camera with the appropriate lighting and an enclosure containing vision electronics and a compact PC running the CodeSure™ software. The CodeSure™ operator interface is displayed on the PC's touch screen monitor, and the system status is indicated with a three-color stack-light for remote monitoring.

#### CodeSure™ verifies correct printing, string position, and character legibility for:

- ✧ Date and Lot codes
- ✧ Product codes
- ✧ Plant and Machine codes

#### CodeSure™ verifies codes printed on:

- ✧ Labels
- ✧ Aerosol container bottoms
- ✧ Plastic bottle bottoms
- ✧ Can ends (e.g., ridged, flat or concave)
- ✧ Square or rectangular containers
- ✧ Fixtured bags

### Operator Interface



### CodeSure™ Advantages

- ✧ Easy-to-use operator interface with touch screen display
- ✧ Works at high speeds, verifying up to 900 codes/minute
- ✧ Handles random printed code orientation
- ✧ Stores and handles multiple user-defined code formats
- ✧ Tolerates ordinary production variability in print quality
  - ✦ including variations in skew, scale and aspect ratio of individual characters
- ✧ Requires no font training
  - ✦ PC fonts and native font definition files can be imported (Videojet, Domino, Markem, Xymark and others)

CodeSure™ has been developed by Machine Vision Consulting – an industry leader in machine vision solutions. To learn more about Machine Vision Consulting, visit our website at [www.machinevc.com](http://www.machinevc.com) or call us at **978.551.4160**.

CodeSure™