

Pharmaceutical

Pharmaceutical Verification

The pharmaceutical industry is one of the most highly regulated industries in the world with quality requirements at 100%. Today's production lines utilize the latest in automation technology to ensure manufacturing quality to meet FDA compliance. For these demanding applications, machine vision systems are widely used to verify codes, determine package integrity and provide product traceability within all areas of the supply chain.

How Easy to Use is Your Current Machine Vision System?

If you are a pharmaceutical manufacturer or supplier currently using vision, how long would it take to setup your vision system to verify and validate the following?

- Safety seal, cap and fill levels
- Product date and lot code
- Package unit dose code
- Package contents
- Pipette, needle and staple integrity
- Label position and contents
- Surfaces for contamination

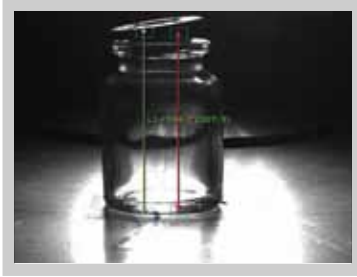
Machine Vision Tools

- 1D barcode and 2D matrix readers for traceability, sorting and process control
- OCR for reading printed characters and symbols
- Label inspection tools for verifying placement, print quality and correctness of labels
- Counting tools to determine number of items and indicate missing items
- Color tools to distinguish and verify colored elements such as pills and identifying graphics
- Measurement tools to determine fill levels and verify safety seal
- Positioning tools to determine product location and orientation
- Surface flaw tools to detect scratches, cracks or discolorations
- Laser line tools to measure product height profiles

Teledyne DALSA-authorized distributors can show you how to start saving time and money with our industrial vision solutions.



Typical Pharmaceutical Applications



Presence and orientation of vial caps



Fill level on disposable vaccine injection syringes



Product traceability using 1D code readers



Presence and color of pills



Surface quality and cap presence on canister



Product traceability using 2D code reader



Capsule size checking using measurement tools



Lot and date code validation

Get more VISION

Teledyne DALSA offers the very latest in machine vision technology for pharmaceutical applications. Designed specifically for industrial environments, the BOA smart camera is an all-in-one vision system that integrates easily into existing production lines, machinery or moving equipment. BOA comes fully loaded with a suite of quick-to-apply vision capabilities and interfacing methods for communicating with the factory enterprise. For large installations, such as final inspection of vaccine injection syringes, Teledyne DALSA GigE cameras can be combined with a centralized processor to offer a very cost-effective solution.

Teledyne DALSA vision solutions are available with choice of application software to accommodate the differing needs and experience of pharmaceutical end users. iInspect software allows experienced users and 1st-time adopters to quickly setup and deploy solutions. iInspect's logical setup is built using the experience and algorithms that have been put to the test over the course of many years. Sherlock provides functionality and customization to tackle the most challenging applications.

We can customize - your contact/logo information here

www.teledynedalsa.com

Americas

Boston, USA
+1 978-670-2000
sales.americas@teledynedalsa.com

Asia Pacific

Tokyo, Japan
+81 3-5960-6353
sales.asia@teledynedalsa.com

Shanghai, China
+86 21-3368-0027
sales.asia@teledynedalsa.com