

Technical News Bulletin – TNB244

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Veritas Upgrades Bring New Life to Installed Base

Introduction

Bucher Emhart Glass (BEG) now offers upgrades for the Veritas iC and Veritas iB that will improve inspection **accuracy**, machine **reliability** and system **sustainability**. These upgrades revitalize the Veritas machines and prepare them for the next furnace campaign in your factory. The upgrades replace the existing Veritas electronics with the new SCOUT™ technology platform, now included on new Flexinspect B, C, and BC machines. When you update your Veritas machines to operate on the SCOUT technology platform, you can be assured that the inspection machines in your factory are capable of performing at the highest level with all of the new features and functionality available in today's Flexinspect B, C and BC.





Specification

Three upgrade configurations are now available.

- Veritas iB stand-alone machine upgrade with a single remote electronics enclosure
- Veritas iC stand-alone machine upgrade with a single remote electronics enclosure
- Veritas iC/iB close-coupled machine upgrade with shared remote electronics enclosure

For each machine the following upgrade details and features apply:

Veritas iB powered by SCOUT technology

- Stepper drives and motors on belt handler replaced with 4 servo drives and motors
- Stepper drives for optical positioning controlled with a hand held axis motion terminal
- New electronics housed in a NEMA 12 rated remote cabinet with closed loop AC
- Vision processing by BEG (same as FleXinspect B) with i7 processors
- All inspection features in the FleXinspect SCOUT vision software are available
- All new LED lighting strobe controllers
- All new cameras with the following resolutions (based on machine configuration)
 - SSI 1396x1024
 - Base / Stress 1396x1024
 - Vision Plug and Vision Plug / Wire edge 1396x1024
 - VMNR (top down / bottom up) 1396x1024
- New 21.5 in. pendent mounted Multi-touch display screen
- User interface similar to iOS and Android
- Job management and computer architecture using flash storage media

Veritas iC powered by SCOUT technology

- New electronics housed in a NEMA 12 rated remote cabinet with closed loop AC
- Vision processing by BEG (same as FleXinspect C) with i7 processors
- All inspection features available in the FleXinspect vision software are available
- All new cameras with the following resolutions (all inspections on first surface)
 - Sidewall opaque 1396x1024 (6 cameras, 6 views)
 - Sidewall transparent 1396x1024 (6 cameras, 6 views)
 - Sidewall stress 1396x1024 (6 cameras, 6 views)
 - Dimensional performed in 6 views
- New 21.5 in. pendent mounted Multi-touch display screen
- User interface similar to iOS and Android
- Job management and computer architecture using flash storage media



Features / Benefits:

Veritas iB powered by SCOUT technology

- Reduced investment cost versus machine replacement
- Increased machine reliability
 - Increased up-time
- Reduced cost of ownership
- Higher resolution inspection images
 - Each cameras provide 4.6 times the number of pixels to analyze
 - Over 365% increase in pixels resolution from current machine
- Higher torque belt handler with servo motor drives
- Modern electronics
 - Simplified electronics platform and layout
- New SCOUT graphical human machine interface
 - Simplified inspection setup
 - Simplified machine setup and operation
 - Reduced job change times
- Defect classification with separate tolerances
- Critical defect alarms

Veritas iC powered by SCOUT technology

- Reduced investment cost versus machine replacement
- Increased machine reliability
 - Increased up-times
- Reduced cost of ownership
- Higher resolution inspection images
 - Each cameras provide 1.8 times the number of pixels to analyze
 - Over 81% increase in pixels resolution from current machine
- Modern electronics
 - Simplified electronics platform / layout
- Improved stress and transparent detection with 100% first surface inspection
- New SCOUT graphical human machine interface
 - Simplified inspection setup
 - Simplified machine setup and operation
 - Reduced job change times
- Defect classification with separate tolerances
- Critical defect alarms
- Multiple article multi-gob inspection (stand-alone machine only)



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For more information about upgrading your Veritas iB and Veritas iC to the latest SCOUT technology, please contact your local Bucher Emhart Glass sales account manager, or request more information at <http://www.emhartglass.com/contact>.