



EVS -Your Quality Our Vision

IQ-TEX4[®]

Automatic Web Inspection



Time for Automation - IQ-TEX4

IQ-TEX4 is an automatic, in-line final inspection solution and real-time process monitoring system. With the capability to capture any visible defect at line speeds, **IQ-TEX4** can be used in a variety of positions in the majority of manufacturing equipment. It provides real-time operator alerts for running or repetitive defects as well as creating finished roll inspection maps - driving optimized product yield and high-speed debatcher control. **IQ-TEX4 eliminates the most expensive, non-value added process in manufacturing by removing the need for slow, costly manual inspection.**

IQ-TEX4 combines state-of-the-art, computer aided, Smart Vision Cameras with patented defect detection algorithms to provide unparalleled inspection in textile fabrics, technical webs, nonwovens, composite materials and many more. **IQ-TEX4** lowers operating costs, optimizes product yield, maximizes raw material utilization, and improves the quality of “first quality” for the majority of running substrates.

From process specific applications to the final inspection of finished products, this solution is tailor-made to meet each customer's individual needs. Its narrow profile and modular frame design allow for seamless integration into virtually any processing machine.

Features:

- Integrated image acquisition & processing
- **COLOR** image processing
- Full **COLOR** defect image display
- Proprietary Defect Classification module
- Proprietary Defect Sorting module
- LED illumination (Visible, IR, UV)



Add-ons:

- Album workstation
- Infrared ink based synchronization system
- Automated label markers
- OCC – Optimization & Cut Control module
- SVA - Shade Variation Analyzer
- BFA - Broken Filament Analyzer



Applications

Automotive

- Air Bags
- Tire Cord
- Safety Belts
- Headliners
- Dashboards
- Upholstery
- Filters
- Carpets



Technical

- Printed Circuits
- Coated Fabrics
- Construction
- Screens
- Conveyor Belts
- Digital Printing
- Films & Foils
- Geo, Agro textiles



Medical & Hygiene Nonwovens

- Diapers
- Medical Gowns
- Surgical Textiles
- Panty Liners
- Wet Wipes
- Bandages



Apparel

- Ladies Wear
- Menswear
- Sportswear
- Underwear
- Job Dress
- Linings
- Interlining
- Silk



Home Textiles

- Bed Linen
- Upholstery
- Outdoor
- Carpets
- Sun Screens
- Insect Screens
- Artificial Leather
- Poolside



Composites

- Avionics
- Automotive
- Naval
- Wind blades
- Ballistic
- Reinforcement
- Pre-pregs
- Laminates



Enhancing Your Quality:

- Accurate & consistent detection
- Real-time process monitoring & alarm
- Recorded roll maps for documentation
- Quality trend analysis

Increasing Your Profitability:

- Enhanced yield
- Reduced operating costs
- Increased efficiency
- Reduced claims

EVS - Elbit Vision systems Ltd

EVS has been pioneering the science of camera-based automatic vision inspection for textile fabrics and technical webs for over two decades. Utilizing cutting-edge computerized surface inspection and process monitoring technology, EVS provides customers with a significant increase in productivity and efficiency, by optimizing product yield and minimizing operational costs.

With hundreds of installations across five continents, EVS maintains a 24/7 customer support team that encircles the globe. Capitalizing on over 20 years of experience with hundreds of global partners, EVS has become the standard of excellence in automated textile inspection elevating this technology from "nice-to-have" to **an essential component** for modern manufacturing.

FABRICS INSPECTED
DAILY BY EVS SYSTEMS
ENCIRCLE
THE GLOBE!



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