

We Deliver Technology for Yield Management

ISRA VISION: Advanced technology for reliable results

We successfully meet the challenge of nonwoven processing: Our fully automated optical in-line systems can be adapted to nearly every type of surface and application – spunbond, spunlaced, meltblown, composite, wet laid, carded, needle-punched.

Our systems currently support production speeds up to 1.800 meters / min and product widths up to 10 meters.

Proven high-end inspection systems – by ISRA

Our proactive in-line quality control offers sustainable improvements, documented quality with exact marking of defects, reduced rejection rates, minimized down-time, and optimized maintenance. However, we go further: We combine leading technology to enable

strategic production management. Our enterprise data mining is the solution to collect, store, analyze and correlate your product and production data – even on a global basis.



**„Boost your yield – with enterprise yield management
enabled by ISRA.“**

Total process control and quality documentation – enabled by ISRA

Achieve your potential in productivity and reduce waste of material and machine time. Besides process optimization: Deliver customized quality for particular cus-

tomers and products. We are close to you: ISRA offers worldwide service.

www.isravision.com



Boost Your Yield – Get more out of Inspection
Inspection-Systems for NonWovens

**100 %
Optical Web Inspection –
The Winning Way**

ISRA
VISION

Manage Quality – Achieve Yield Management Potential with Automated Inspection

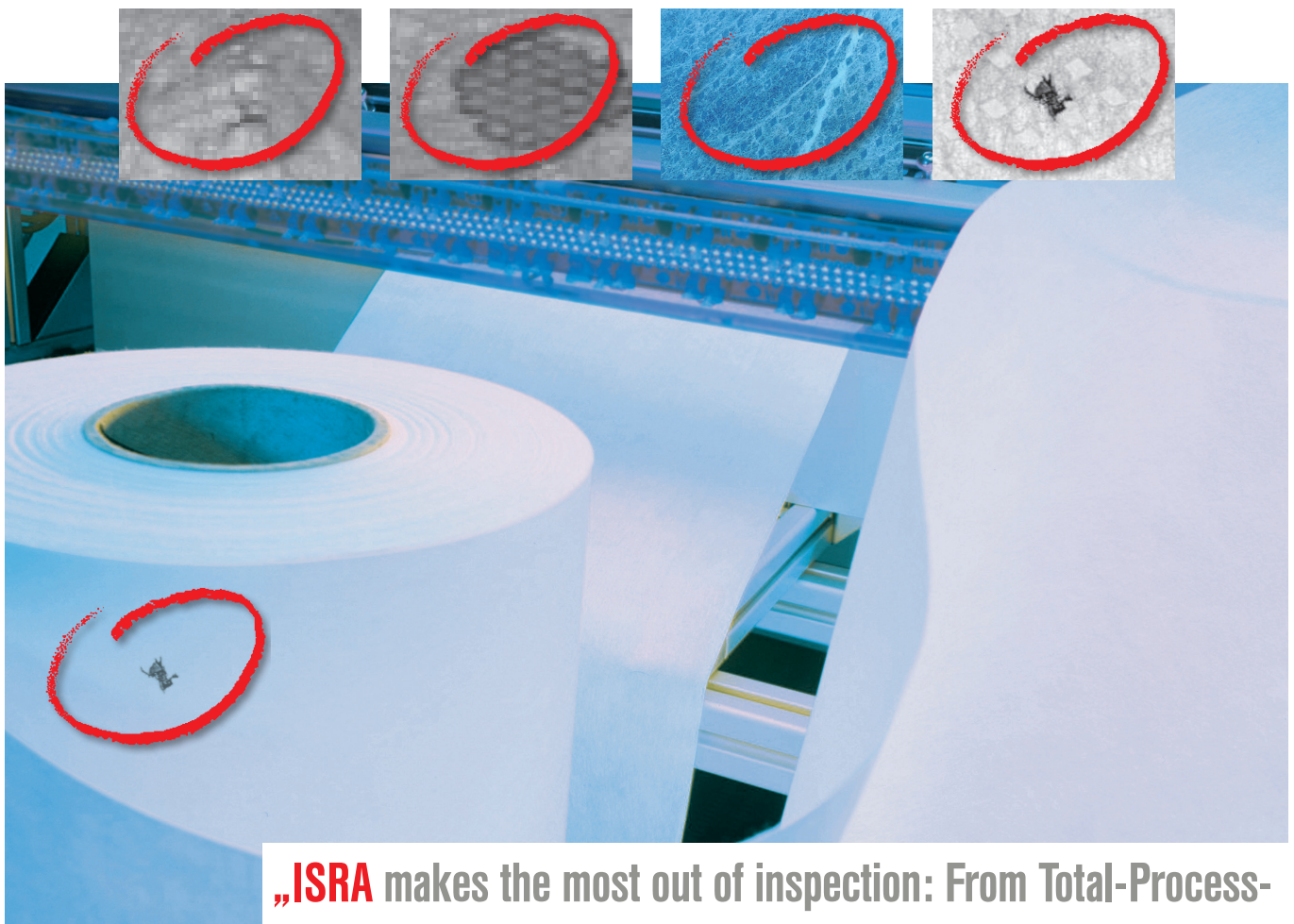
Do you require a tool for the overall detection of defects, highly reliable, simple to handle and efficient? Do you need to inspect a wide range of materials and surfaces at high production speeds, with products of large widths and low thicknesses – while the smallest defects are of importance?

Do you expect potential time and cost savings with automatic quality grading and in-line classification – easy to understand and easy to operate?

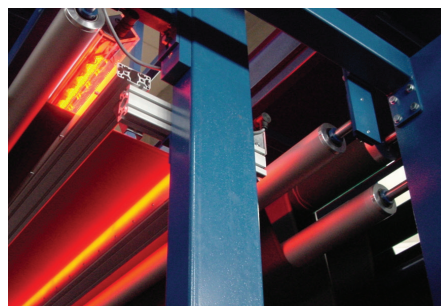
Do you focus on the benefits of 100% inspection for overall product quality management?

Most optical inspection systems provide basic information. Our experience in highend inspection provides true quality control.

We made it our business to create your solutions. Challenge us.



„ISRA makes the most out of inspection: From Total-Process-Control to **Enterprise Yield Management Systems.**”



We Combine the Best of Everything – for the Best Optical Inspection Systems

Superior Defect Detection Technology and Analysis

ISRA VISION inspection systems offer accurate defect detection and brilliant defect images, formation analysis, defect and image data storage, roll and lane data reports, a rewind manager and data mining.

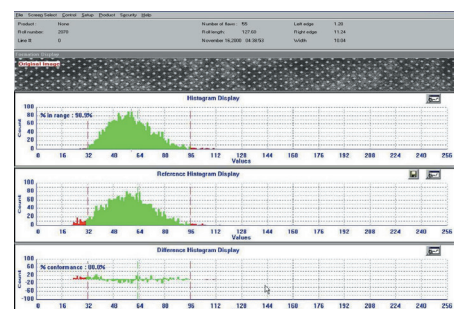
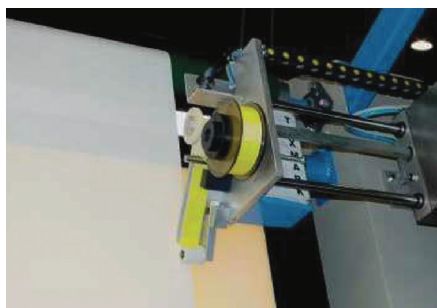
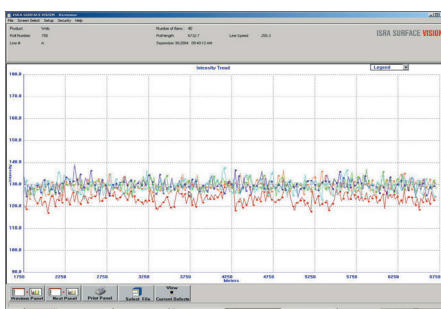
The systems are scalable using high speed CMOS cameras and one or more optical channels to detect typical defects including clumps, holes, polymer drips, insects, contamination, streaks, thin spots, and poor uniformity.

Via an additional optical channel the inspection of thin and thick areas as well as the formation analysis is realized. Modular design and standardized components result in easy installation and maintenance.

Realtime information, web-based remote access, configurable alarms, precise marking trigger as well as built-in test equipment (BITE) for calibration and validation enable overall system control.



„Modular design and standardized components result in easy installation and maintenance.“



Advanced Defect Classification and Quality Grading

We developed a classifier to be the core module of our advanced surface inspection systems: Just a simple set-up to deliver reliable classification in real-time. Re-

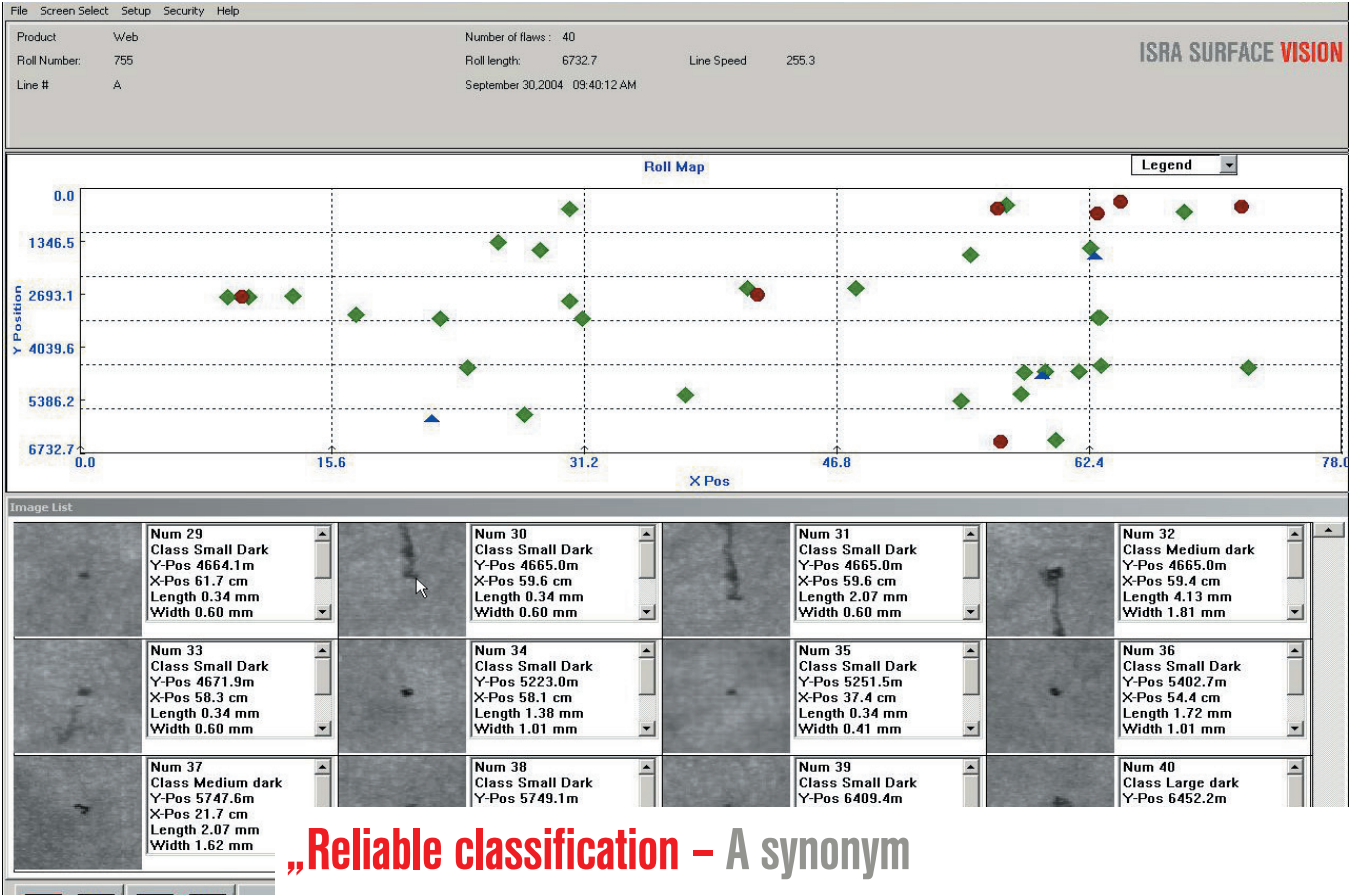
liable classification - A synonym for easy to operate – fast and extremely efficient.

ENTERPRISE DATA MINING: Set-up your knowledge base

Our recent tool for paper-free system reporting collects inspection-data from any production site using recent internet technologies. Various intelligent routines enable detailed analysis of every single production step and product type, giving access to further process improvement and global product quality management.

The data management system can optionally be interfaced to ERP-Quality-Control-Systems – for integrated worldwide production optimization.

Enterprise Data Mining increases the value of inspection.



„Reliable classification – A synonym for easy to operate – fast and extremely efficient.“

