We Deliver Technology
for Yield Management

ISRA VISION: Advanced technology for reliable results

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

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

Proven high-end inspection systems – by ISRA

Our proactive in-line quality control offers sustain-able 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 cor-relate 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 optimi-zation: Deliver customized quality for particular cus-tomers and products. We are close to you: ISRA offers worldwide service.

Innovations in Automated Optical Inspection for all Advanced Materials

We are the innovators in optical inspection.
Best practice. Best system. Best service.

For over three decades, ISRA VISION has become a leading manufacturer of highly accurate automated optical quality inspection systems.

More than 10,000 successful applications reference our sustainable experience in the field of machine vision products – and our ability to innovate.

Today our products are operating worldwide in such industries as glass, plastics, foils, print and automation. It is our goal to set system standards for total process control in these industries.

Customers choose ISRA for the ability to develop products consistently to their requirements. More than 900 employees at 25 locations worldwide are working to contribute to your success.

Your global partner for surface inspection.

We offer our experience and a highly qualified team of experts to design and implement solutions for advanced applications.

We assure that our mission continues beyond our shipping dock. Just challenge our Customer Support and Service Center (CSSC).

We guarantee excellence to our customers – from consulting to service, from tailored solutions to worldwide support. We can make your business more competitive.

Challenge Us.
Inspect to Control – with ISRA VISION

Optimize your ROI with the technology leader ISRA

Optically Inspected

100%

by ISRA

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 man-agement?

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.
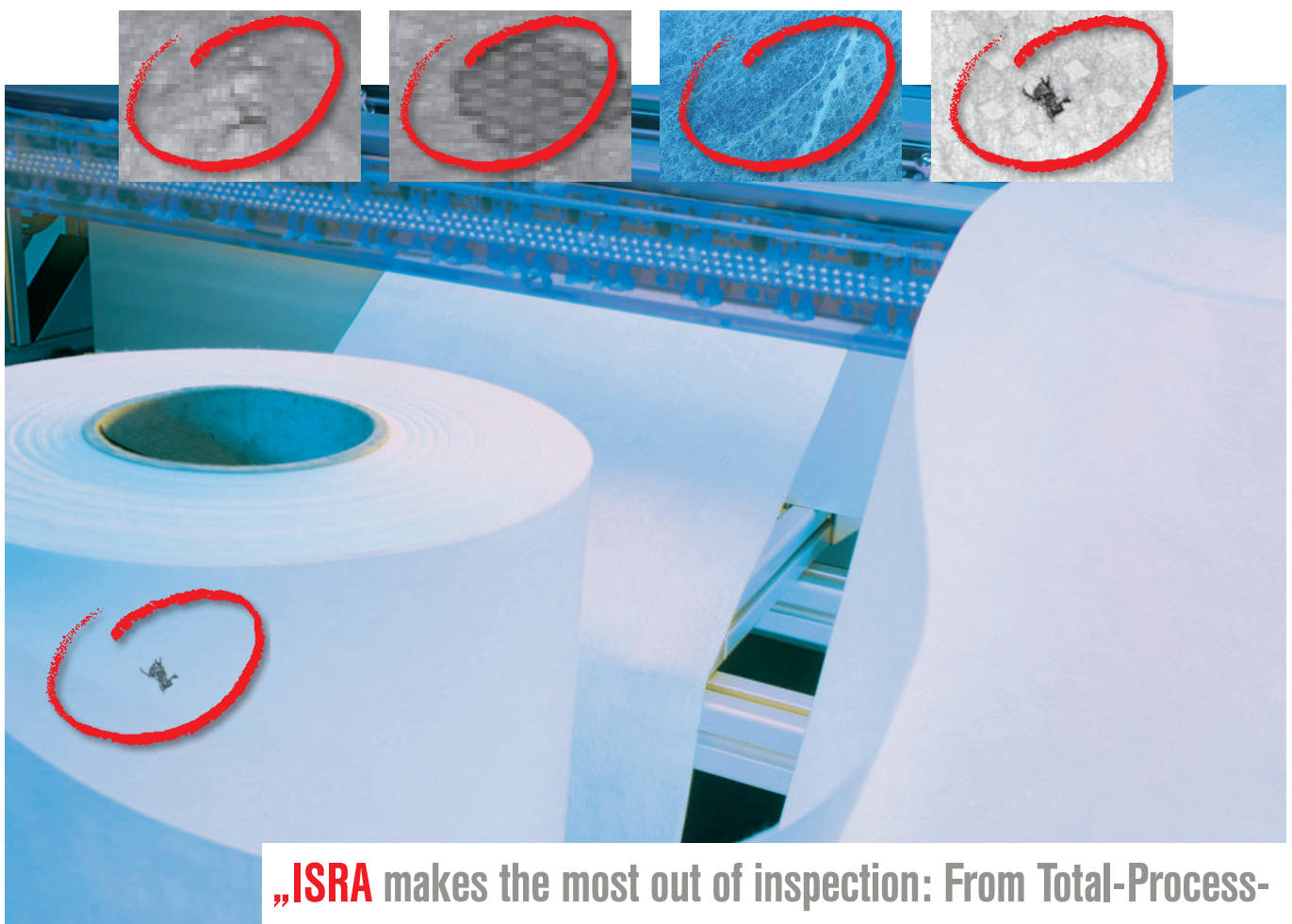
„**ISRA** makes the most out of inspection: From Total-Process-Control to **Enterprise Yield Management Systems.**"
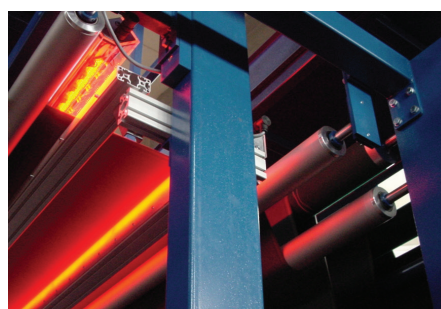
We Combine the Best of Everything –
# for the Best Optical Inspection Systems

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.
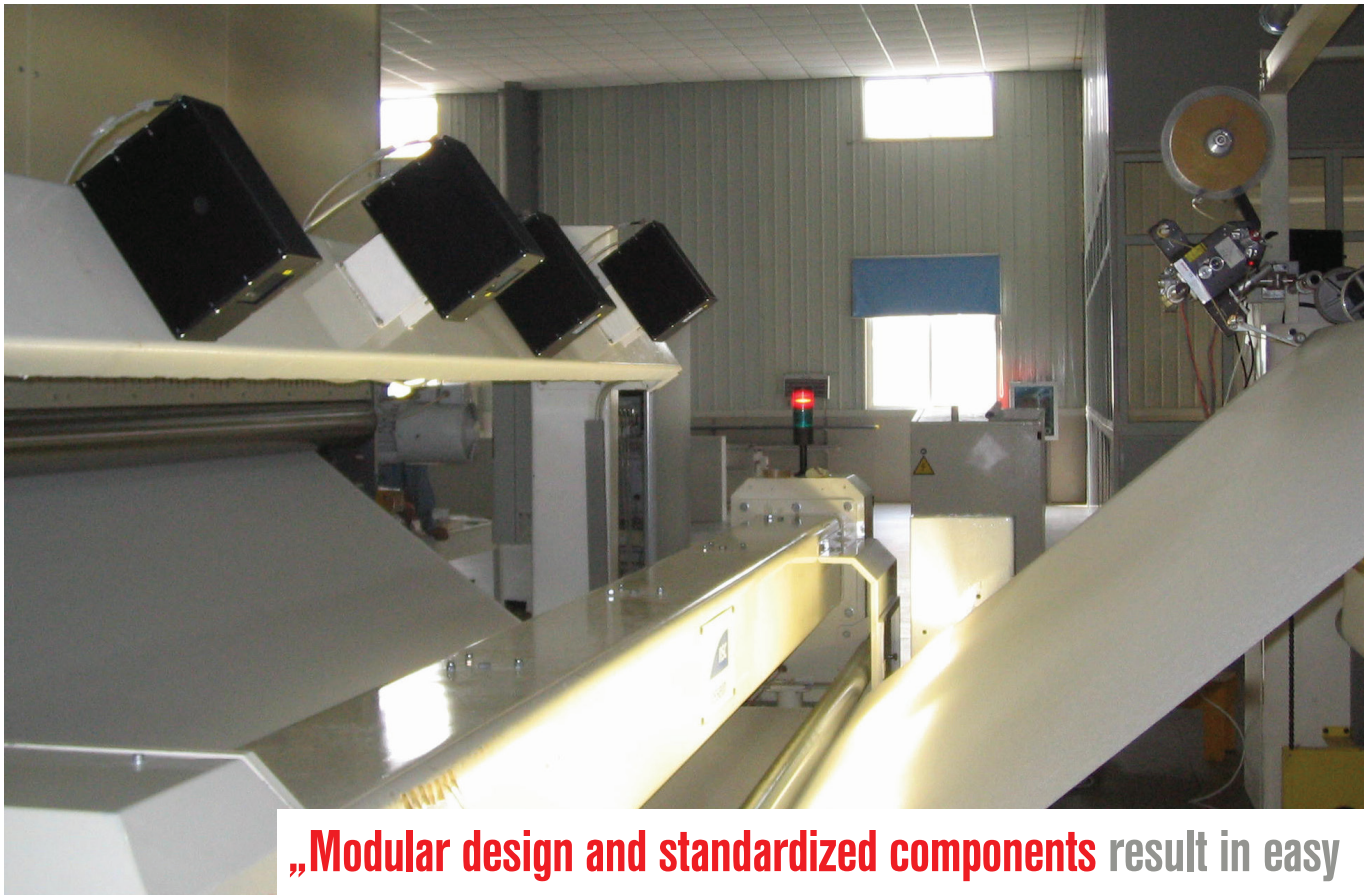
„**Modular design and standardized components** result in easy installation and maintenance.”
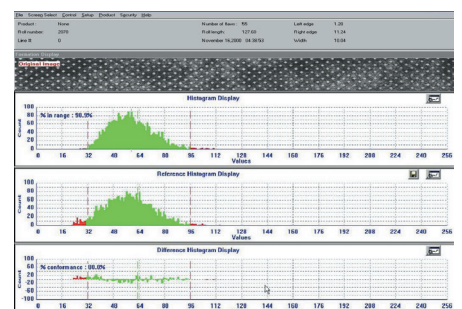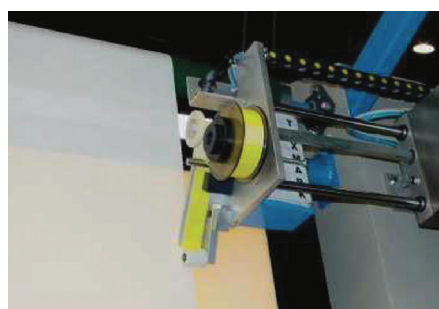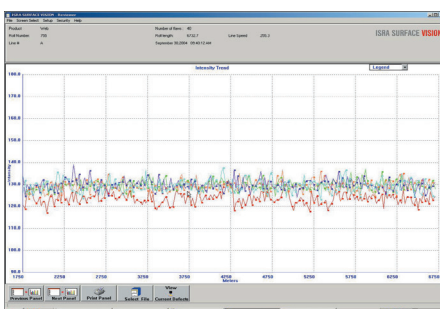
Advanced Defect Classification and Quality Grading

We developed a classifier to be the core module of our advanced surface inspec-tion 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.

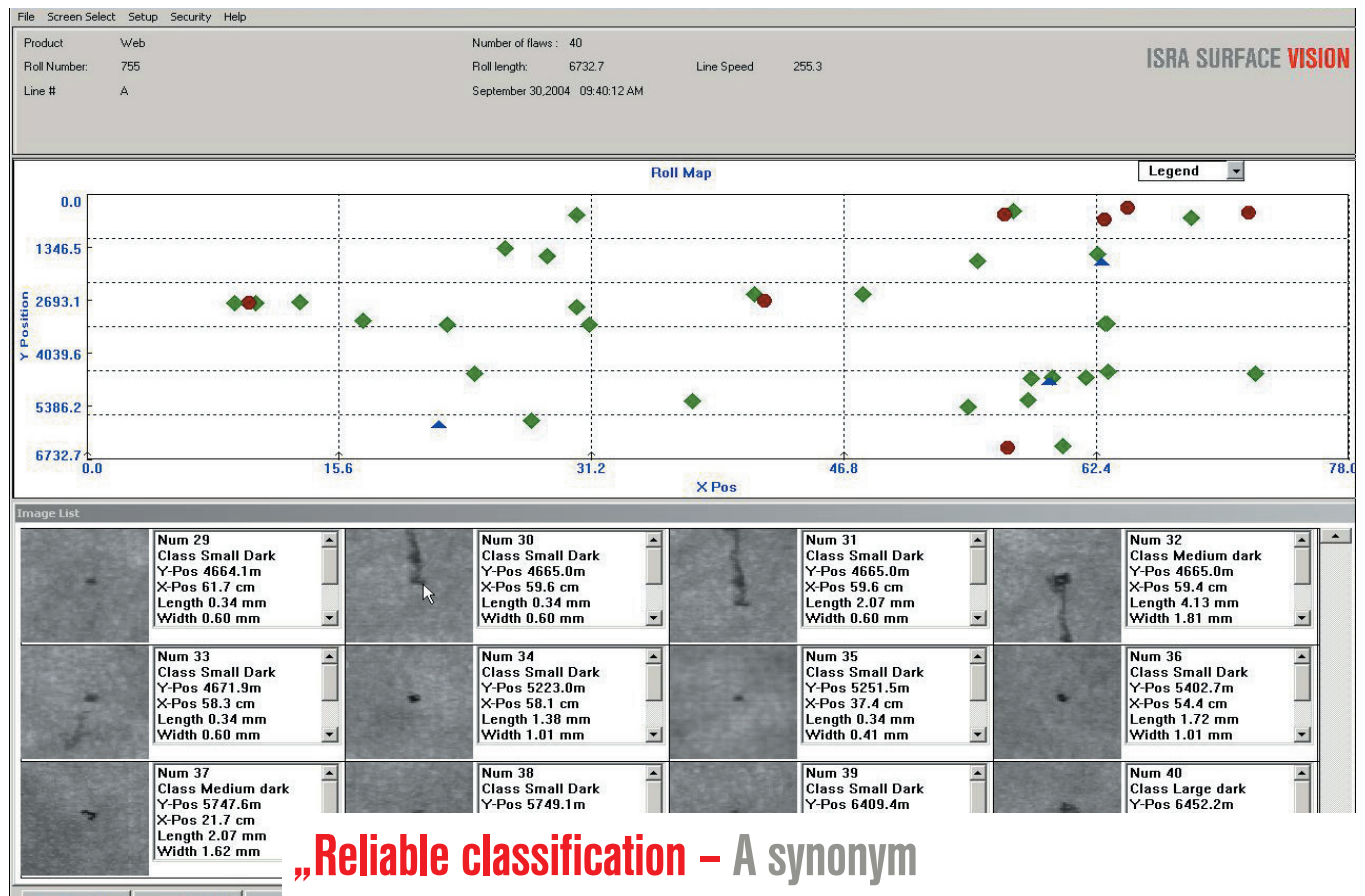## ENTERPRISE DATA MINING: Set-up your knowledge base

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

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

Enterprise Data Mining increases the value of inspec-tion.

File   Screen Select   Setup   Security   Help

Product	Web		Number of flaws :	40		
Roll Number:	755		Roll length:	6732.7	Line Speed	255.3
Line #	A		September 30,2004 09:40:12 AM			

ISRA SURFACE VISION

Roll Map   Legend

Y Position — 0.0 / 1346.5 / 2693.1 / 4039.6 / 5386.2 / 6732.7
X Pos — 0.0 / 15.6 / 31.2 / 46.8 / 62.4 / 78.0

Image List

Num 29	Num 30	Num 31	Num 32
Class Small Dark	Class Small Dark	Class Small Dark	Class Medium dark
Y-Pos 4664.1m	Y-Pos 4665.0m	Y-Pos 4665.0m	Y-Pos 4665.0m
X-Pos 61.7 cm	X-Pos 59.6 cm	X-Pos 59.6 cm	X-Pos 59.4 cm
Length 0.34 mm	Length 0.34 mm	Length 2.07 mm	Length 4.13 mm
Width 0.60 mm	Width 0.60 mm	Width 0.60 mm	Width 1.81 mm

Num 33	Num 34	Num 35	Num 36
Class Small Dark	Class Small Dark	Class Small Dark	Class Small Dark
Y-Pos 4671.9m	Y-Pos 5223.0m	Y-Pos 5251.5m	Y-Pos 5402.7m
X-Pos 58.3 cm	X-Pos 58.1 cm	X-Pos 37.4 cm	X-Pos 54.4 cm
Length 0.34 mm	Length 1.38 mm	Length 0.34 mm	Length 1.72 mm
Width 0.60 mm	Width 1.01 mm	Width 0.41 mm	Width 1.01 mm

Num 37	Num 38	Num 39	Num 40
Class Medium dark	Class Small Dark	Class Small Dark	Class Large dark
Y-Pos 5747.6m	Y-Pos 5749.1m	Y-Pos 6409.4m	Y-Pos 6452.2m
X-Pos 21.7 cm			
Length 2.07 mm			
Width 1.62 mm			

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