



High-resolution camera and integrated optical technology



Highest detection performance down to microns



Best single- and multilayer detection results



Outstanding defect classification within shortest time

ISRA

NoWo.Inspect

100% inline inspection for nonwovens



ISRA
VISION

Part of Atlas Copco Group

ABOUT NoWo.Inspect

NoWo.Inspect, part of the SMASH product family, is a fully inline inspection system engineered to meet the stringent quality assurance demands of nonwoven production. The system integrates high-resolution line-scan cameras, high-intensity LED illumination, a dedicated image processing unit, and an operator terminal. Camera and lighting configurations are precisely tailored in collaboration with the customer to align with specific material properties and process parameters. Compatible with all major nonwoven production technologies, NoWo.Inspect provides continuous surface monitoring, reliable defect classification, and real-time process optimization using advanced machine vision algorithms.

KEY FEATURES

- AI supported classification
- GSM monitoring
- Roll grading

MARKET SEGMENTS

Hygiene, medical, wipes, automotive, construction, filtration

PRODUCTION TECHNOLOGIES

Airlaid, drylaid, wetlaid, spunbond, spunmelt

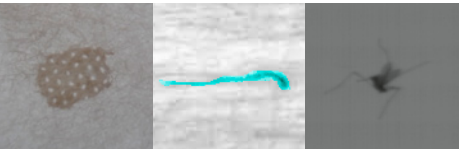
CONVERTING TECHNOLOGIES

Calendering, coating, embossing, lamination, printing, rewinding, slitting

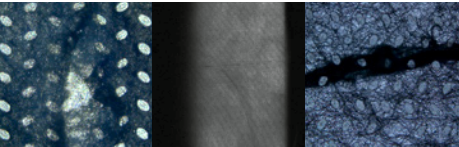
Technical Data

Resolution	225 µm
Max. inspection speed	700 m/min standard, 1.000 m/min high-speed
Inspection width	3.600 mm up to 5.400 mm and beyond
Max. material thickness	300 gsm
Minimum defect size	1 x 1 pixel (0,05 mm2)

TYPICAL DEFECTS



Red spots Foreign fiber Contamination
e.g. insects



hole /
thin spot Embossing hard fibre