

Glass Inspect &



Easy Inspect

Handling Systems

Material Handling Systems from the Inspection Expert Dr. Schenk



Turnkey Inspection and Material Handling Solutions

GlassInspect & EasyInspect

YOUR BENEFITS

Complete solutions for AOI and material handling

- Handling systems optimized for the inspection system; Inspection systems tailored to the handling components
- Inspection and handling from one supplier equal cost reduction, better risk management and accountability
- Handling and inspection system form a smooth, plug-and-play unit
- Supporting all common conveyor types: Roller conveyors, belt conveyors, air cushion conveyors
- Vertical and horizontal builds, cleanroom-compliant installations
- Incorporate special handling requirements: Glass alignment, tilt tables, buffers, diverters, multiple lane inspection handling, visual inspection stations (review, microscope...), mini-environments with FFU up to Class 10

Superior technology with Dr. Schenk inspection

- Reliable defect detection and classification of all deviations in the base material through Multiple Image Defect Analysis (MIDA)
- Advanced SLT (Sirius Light Technology) illumination concept, multiple optical channels in one camera line, super-fast cameras



Vertical air cushion conveyor for large glass sheets

Handling and inspection

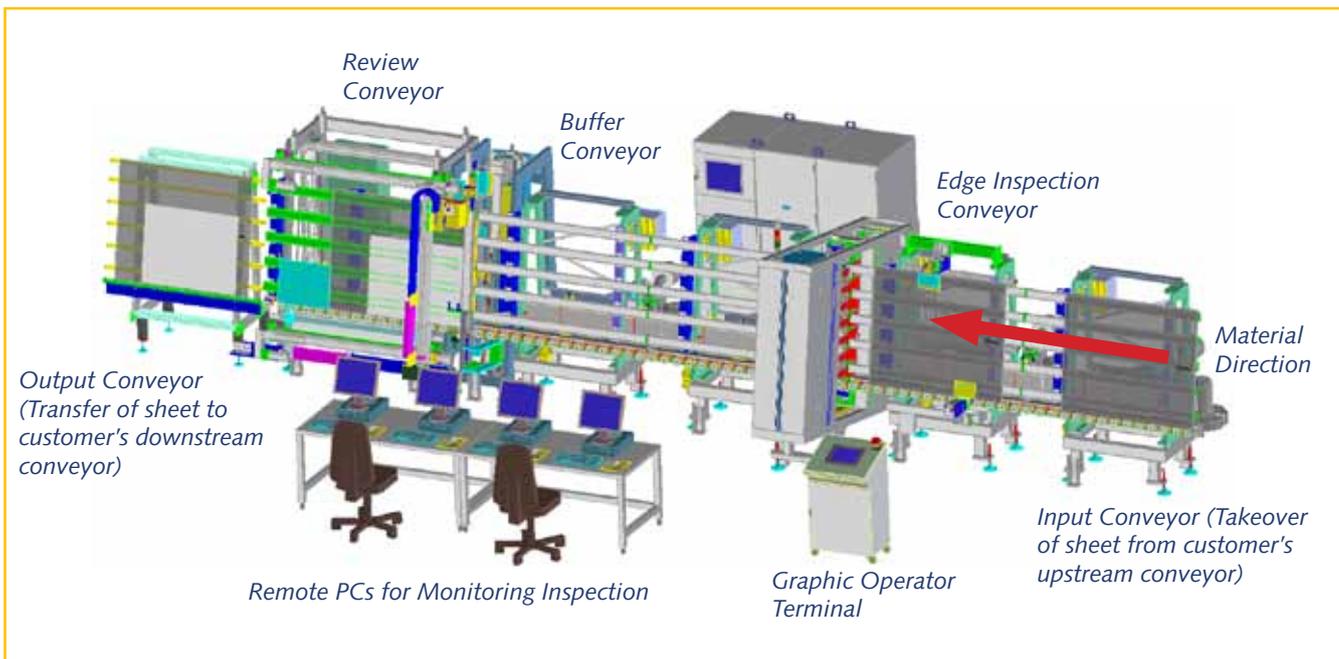
Integrated handling and inspection systems from Dr. Schenk provide the optimum solution for all customers who want their handling and inspection from one supplier, without loss of time or money through different providers.

Dr. Schenk offers:

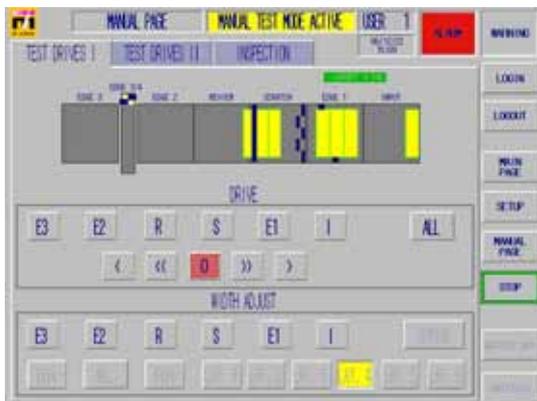
- High-quality electronic and optical equipment for first-class material inspection
- Advanced and easy-to-use software including automatic classification, reporting and an SQL database
- Transport and handling systems for all materials (glass, film, plastic and other sheet materials), sizes (from smart-phone size up to Gen 10) and requirements
- Excellent support for inspection and handling components



Inspection and Handling Systems



Example of integrated system with conveyor handling for TFT glass inspection, designed and produced by Dr. Schenk



Intuitive touchscreen interface for material handling control



Roller conveyor handling for sheet glass

Handling solutions for standalone units or integrated into production lines

Dr. Schenk can deliver every type of inspection system that requires handling: We design and build standalone solutions where inspection and handling form a contained and independent system, like particle counters, edge inspection systems and the LabInspect offline testing stations. We also build inspection and handling systems that are integrated into customer production lines, where they interface perfectly with the upstream and downstream processes of the production line. The profound experience of Dr. Schenk with optical inspection systems guarantees that our handling components are of maximum quality, maximum efficiency and maximum benefit for our customers.

Your Reliable Partner



Dr. Schenk's production site

Dr. Schenk GmbH, established in 1985, is an innovative high-tech company based near Munich, Germany. Dr. Schenk develops, produces and markets optical surface inspection and measurement solutions for automated quality assurance and production process monitoring. This includes high-quality, customizable handling solutions. Our products are a key success factor in the making and converting of many materials, e.g. plastics, textile materials, nonwovens, paper, metal, or glass, for a multitude of markets like display glass, automotive, packaging, medical, renewable energy, and many more.

Throughout the world Dr. Schenk's 220 employees continue to set new standards for the inspection of surfaces. Over 10,000 m² of modern, cleanroom-capable production and testing facilities are available to research, development and production to apply cutting-edge optics and electronics to customer applications.

Dr. Schenk offers extensive from-lab-to-fab knowledge. Customers benefit from our expertise in the translation of lab applications to large scale productions. Our sophisticated handling solutions complete the one-stop-shopping experience.

The company's objective is complete customer satisfaction. This is achieved through innovative and practical solutions that can be implemented into new and existing production lines. Local sales and service facilities around the world ensure fast support, technical service, training and consulting at any phase of a project.

From modular standard units to highly customized systems – Dr. Schenk's solutions have precision in focus!

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