

Inspection system

Testing machine for highly sensitive and flexible materials



RAILROAD INSPECTION

Fully automated material analysis and surface inspection

When it comes to highly sensitive and flexible materials such as Catalyst Coated Membranes (CCM) for PEM fuel cells, **very low web tension** is required to avoid damaging the surface structure during an inspection.

Our fully automated inspection system sets new standards for precise material analysis, coating testing and surface inspection.

The smooth-running components enable **"linerless"** testing of sensitive materials and thus offer an optimum basis for different test methods.

This allows you to develop quality standards and test new test equipment in parallel with your production.

ADVANTAGES

Gentle on materials and efficient.

- Test parameters can be determined and optimized upstream of production → **time-to-market**
- Liner/backing can be dispensed with due to the low web tension → **Material savings**
- Smooth running to achieve minimal web tension → **low friction**
- The parallelism of the rollers is measured optically à **no wrinkles**
- Precise winding is ensured even with the lowest web tension à **no telescoping**
- Placeholders offer the option of integrating additional test methods, such as X-RAY sensor technology and ultrasonic layer thickness measurement à Individualization
- Connection to your MES, PPS etc. is possible

SPECIFICATIONS

Technical data

- Web tensions of < 2.50 Newton
- Space requirement of 4.00 x 2.50 m (LxW)
- **Inspection:** The system is equipped with a line scan camera as standard. The design is tailored precisely to your needs.
- **Marking systems:** Whether laser markers or inkjet printers – we integrate the technology that suits your materials.

