About Us

SURAGUS GmbH is a German metrology specialist developing and manufacturing non-contact material testing solutions for thin film materials. Our EddyCus® systems are installed at customer sites on six continents and are serviced and distributed through a worldwide network of sales and service partners. We serve numerous industries applying thin films in a wide variety of processes.

Technology

SURAGUS utilizes a unique high-frequency, wide range eddy current technology. This wide range, high frequency combination enables rapid testing of both very low and highly conductive materials. Our EddyCus® measurement systems (Eddy Current Solutions) excel with high sample rates and in non-contact setups, and come with several industrial interfaces and user-friendly software.

Portfolio

SURAGUS’ portfolio comprises hand-held devices, table-sized benchtop testing solutions, robot based systems and standard & customized inline solutions. Standard and customized sensors are used to tailor to a large number of non-contact testing tasks including the measurement of physical parameters and defect detection.

Values

SURAGUS is a customer-focused and technology-driven company. A long-term and result-driven mutual cooperation between our customers and partners is of the highest importance to us. Our interdisciplinary R&D team transforms latest advancements in microelectronics and sensor manufacturing into novel testing solutions for our customers.
Non-Contact Metrology Solutions

Process Monitoring
- Deposition (PVD, CVD, etc.)
- Etching / Polishing
- Annealing / Tempering
- Doping
- Plating (galvanic, electroless)
- (De-)oxidation

Measurements
- Sheet Resistance [Ohm/sq]
- Metal Layer Thickness [nm, µm]
- Wafer Thickness
- Wafer Bow

Benefits
- Non-Contact
- High Sample Rate
- Image Solution

Setups
- Benchtop Tools
- Tool Integration
- Standalone Tools

Solutions

Single Point
EddyCus TF lab Series

Imaging
EddyCus TF map Series

Tool Integrated
EddyCus TF inline

Inline
EddyCus TF Inline Series

- 50 x 50 mm metal film with strong deposition profile
- 100 x 100 mm AZO with donut and side effect
- 4 inch graphene on quartz wafer with selective doping
- 150 x 150 mm Graphite plate
- Poly-Si-Solar wafer 156 x 156 with different doping profile