



PRÜFTECHNIK

Member of the FOERSTER Group

Non-destructive Testing

Your Partner in Quality Assurance



- Products

- Service

- Training

Our solutions meet your needs ...

In close cooperation with our many customers, PRÜFTECHNIK NDT develops practical solutions for testing all types of semi-finished metal tube, bar and wire during production and in final inspection. We supply a wide spectrum of eddy current and flux leakage testing equipment, from simple testers to turnkey systems that include design, planning, construction, installation and commissioning.

The diverse range of applications varies from the testing of fine wire with a diameter of only 0.1 mm to the testing of tubes with diameters up to 1000 mm (40"). Just a small selection of our major solutions and applications is shown on these pages. For other applications, please consult your PRÜFTECHNIK representative.

Applications

Hot rolled products

Special water-cooled coils test for defects on hot wire rod and bar at temperatures up to 1200 °C (2192 °F). The testing system provides defect statistics and process control data at production line speeds up to 120 m/s (394 ft/s) and diameters of 5–130 mm (up to 5").



Wire and bar

EDDYCHECK testers offer highly effective flaw detection in a wide range of production methods, including recoiling and drawing lines. Rotating systems of various sizes are available for the detection of longitudinal cracks and striations with great precision.

Cold heading

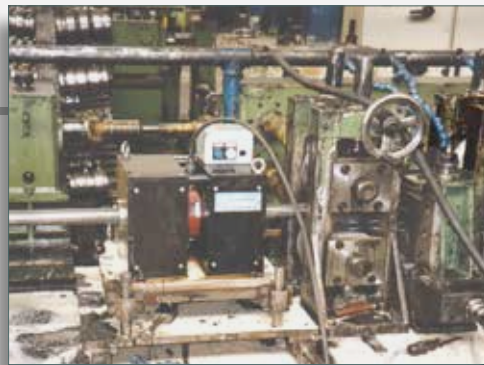
Eddy current testing can be fully integrated into cold forming processes for the reliable quality control of cold-formed parts. Heading wire is tested prior to entering the cold former and parts containing the identified defects are discarded after forming.





Weld seam

In all welding methods such as TIG, laser, HF and ERW welding, EDDYCHECK systems offer a highly accurate method of testing for weld seam defects during production, reliably preventing seam flaws from diminishing the quality of the final product.



Tubes

Eddy current testing ensures that tubing is leakproof and meets an extensive range of international standards including ASTM, API, BS, JIS, ETTC, ENEL, EN 10246 and SEP 1925 / 1917 / 1914. A great variety of robust transducers are available for diverse testing requirements.



Turnkey systems

We supply mechanical systems for complete testing lines in all areas of semi-finished production. Systems range from simple calibration tables to fully automated testing lines. Each installation is individually designed and constructed to ensure that customer requirements are fully met.



Sensitive bar testing

The NOVAFLUX bar tester finds cracks as small as 0.1 mm in depth on black or bright steel bars. Based on flux leakage technology, NOVAFLUX provides a reliable and reasonably priced method of inspecting diameters up to 200 mm and can be easily integrated with testing equipment already at the plant.

Many other applications

- Butt weld and splice detection
- Coated material inspection
- Thick-walled tube inspection (TMI)
- Etc.

We offer you ...

Experience

PRÜFTECHNIK NDT has more than 35 years experience in the worldwide sales and development of EDDYCHECK eddy current testers for semi-finished metal products.

Innovation

PRÜFTECHNIK NDT continuously enhances the reliability, sensitivity and usability of nondestructive testing. Our testing equipment incorporates such advancements in technology as touchscreens and networking capabilities (LAN, TCP/IP), to name but a few. We have also extended our product range to NOVAFLUX – an efficient flux leakage inspection system for sensitive bar testing.

Expertise

The know-how and skills of our highly-qualified team are incorporated in every aspect of all our products, ranging from initial design and software programming to documentation and installation.

Service

Application experts work in close cooperation with you during the planning and installation phase and actively assist in setting up the testers to ensure that your testing requirements and expectations are fully met.

Training & support

We provide consulting, comprehensive after-sales service and training with experienced local agents in a sales network that extends to almost fifty countries around the world. At PRÜFTECHNIK, customer satisfaction is our highest priority.

EDDYCHECK 610

Flagship model for all applications requiring multiple sensors or rotating systems.



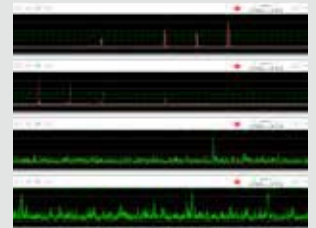
EDDYCHECK 605

User-friendly test unit with a touchscreen for standard applications and high production speeds.



EDDYTREND II

Analysis software for identifying trends in test results, reviewing earlier testing and monitoring networked parallel production lines.



NOVAFLUX NG

Inspection system for compatible and cost-efficient highly sensitive bar testing in three different sizes.

