FOERSTER

SENSOR SYSTEM FD

For eddy current testing of fine wire from 0.1 to 2 mm with encircling coils

Precision testing for even the finest wires. Sensor System FD was specifically developed for nondestructive eddy current testing of fine wire, for example made of tungsten, molybdenum or austenitic materials. It enables reliable detection of surface defects at material diameters as small as 0.1 to 2 mm.

For optimal adaptation to the specific application, encircling coils are available in finely graduated sizes.

The compact test coils feature differential and absolute windings and are combined with nozzles and additional guide elements matched to the respective wire diameter.

Thanks to its compact dimensions, Sensor System FD can be easily integrated into existing production processes – both in rewinding lines and directly in drawing lines. This enables continuous monitoring of the surface quality of fine wires during production.

YOUR ADVANTAGES AT A GLANCE

For the finest wires: Eddy current testing of fine wire made of tungsten, molybdenum and austenitic materials

Smallest diameters: For material diameters from 0.1 to 2 mm

High test sensitivity: Special encircling coils with differential and absolute windings for reliable detection of surface defects

Optimally matched: Finely graduated test coils, nozzles and guide elements for different wire diameters

Compact integration: Installation in rewinding lines or directly in drawing lines

TECHNICAL INFORMATION

TEST MATERIAL:	Fine wire, e.g. tungsten, molybdenum and austenitic materials
TEST MATERIAL DIAMETER:	0.1 – 2 mm
TEST FREQUENCY RANGE:	1 – 9.5 MHz
TEST COILS:	Encircling coils with differential and absolute windings
INTEGRATION:	Rewinding line or drawing line
COMPATIBLE FOERSTER TEST INSTRUMENTS:	DEFECTOMAT CI / DI, DEFECTOMAT ECM

NORMS

DIN EN ISO 15549: Describes the general bases of eddy current testing.

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The FOERSTER Group is represented by subsidiaries and representatives in over 60 countries worldwide. You can find a complete overview on our website.

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