

FISCHERSCOPE® X-RAY 4000

Tailor-made:
Individually adaptable to your application

Programmable: Approach measuring points precisely and change measuring task at the same time

Inline measurement in real time: Precise and fast measurement around the clock



Easy to operate: Strip for adjustment and operating panel easily accessible

Compact design: Traversing axis and measuring head in one unit

DPP+ digital pulse processor: Fast and precise measurement results



Electroplated stamped strip

Inline measurement with maximum endurance

The FISCHERSCOPE® X-RAY 4000 series is developed for the continuous and non-destructive analysis and measurement of layers and layer systems in manufacturing processes. Designed for industrial requirements, the inline measuring system is used in production sites for the measurement of electroplated layers on solid and stamped strips. It also works with formed and stamped contact surfaces and measures the electrical contacts on strip materials or on membranes for fuel cells.

Features

- Robust inline instrument for measurement on solid strips, stamped grids or coated membranes, from a few millimeters up to one meter wide
- Microfocus tube with tungsten anode; molybdenum anode optional
- 2-fold or 4-fold changeable apertures
- 6-fold changeable filter
- Silicon drift detector 50 mm² for highest precision on thin layers
- DPP+ digital pulse processor for higher count rates and significantly reduced measurement times
- Hardware and software aligned to measuring tasks related to inline measurement
- Horizontal or vertical installation position
- Various interfaces for process control



Stamped strip



Fuel cell membrane

Thanks to simple handling, automated calibration and minimum set-up times, converting from one product to another is simple due to the easily adjustable conveyor guides. The programmable axis of the measuring head allows reliable measurements at different positions of the product to be measured.