FT150 Series X-ray Fluorescence Coating Thickness Gauge

The FT150 series high-performance X-ray Fluorescence Coating Thickness Gauge, equipped with an improved X-ray optical focusing system (polycapillary), is a high-end model in the Hitachi product line-up. The FT150 series is especially of interest to the electronic components industry, which is constantly focused on miniaturization of circuit elements and integrated components. Furthermore, the FT150 series is capable of providing rapid, safe, and simple testing of thin film coating thickness and composition for micro area in the sample under 100 μm square.

Main Features

(1) High-speed measurement
Measurement throughput for representative applications, including Au/Pd/Ni/Cu multi-layer coatings, is double or greater than that of previous systems (FT9500X).

(2) Suitable for microchip components
The FT150h is also suitable for microchip component applications including Sn/Ni/Ag.

(3) Safety combined with ease-of-use
Incorporation of a sealed cabinet *minimizes* the chance of X-ray leakage and a smoothly-operating sample door offers both safety and ergonomic access. The FT150L also allows measurement for large printed circuit boards, up to 600×600 mm in size.

FT150/FT150h

FT150L

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