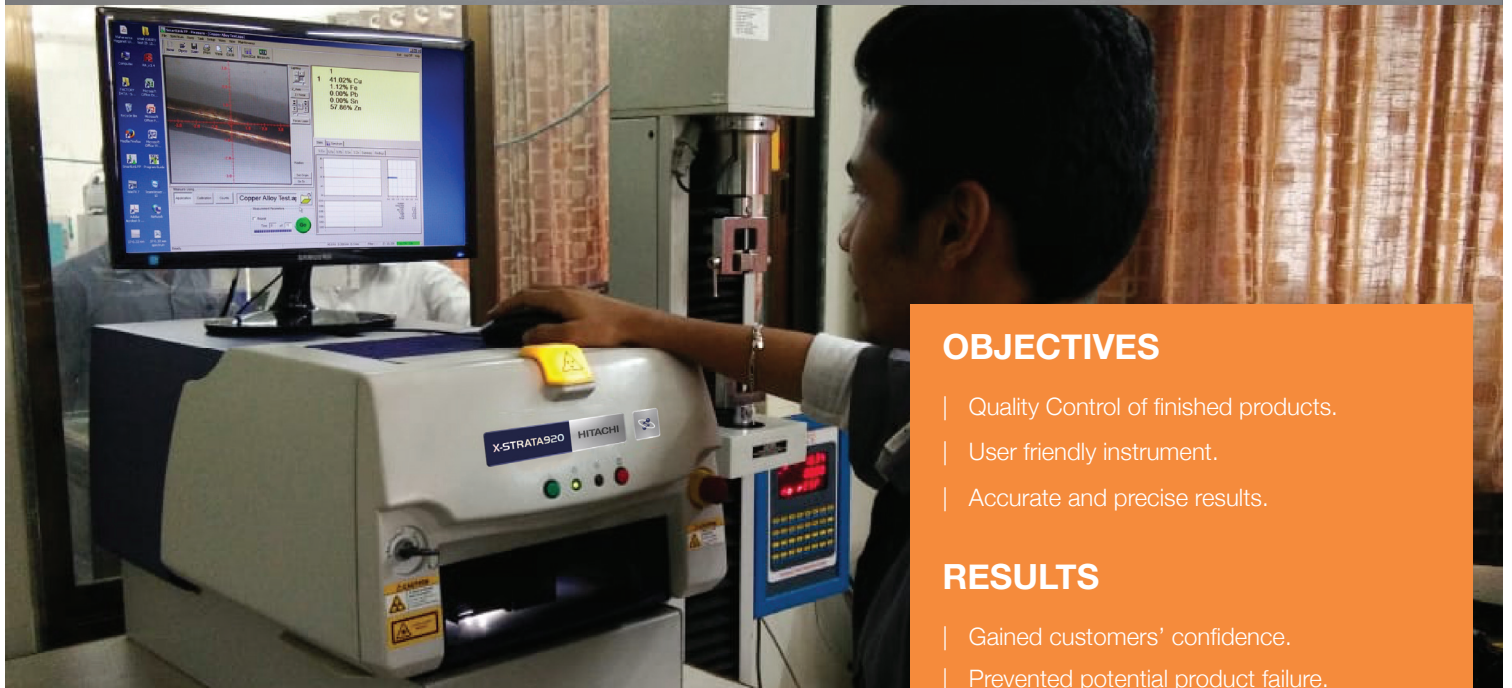


# X-STRATA920



## OBJECTIVES

- | Quality Control of finished products.
- | User friendly instrument.
- | Accurate and precise results.

## RESULTS

- | Gained customers' confidence.
- | Prevented potential product failure.

## X-Strata920 Instils trust in Raviraj Process Controls' customers

Incorporated in 1996, Raviraj Process Controls is a leading manufacturer and supplier of Industrial Temperature Sensors, PTFE Insulated Wires and Cables, Anti-condensation Heaters and allied products. Raviraj is OEM to major electric motor and generator manufacturers in India as well as overseas. The products are engineered to perfection using highest grade materials and technologies and manufactured under strict Quality Control as per International Standards and customer specifications.

### WHEN QUALITY, TRUST AND TRANSPARENCY ARE CRUCIAL FACTORS TO WIN

Client satisfaction has been the mantra for accomplishment in the industry. In today's world where manufacturers face heavy competition, trust, quality and transparency are needed to stay on top of the competition. Raviraj's products are designed from finest grade raw materials and latest technology in tune with worldwide quality norms by certified vendors. But being in the OEM business, Raviraj Process Controls have to declare the quality of their products to their customers.

Combining sourced and locally manufactured components to build a final finished product involves many test points, from incoming inspection to at-line process control to final quality control.

“ **X-Strata920** has boosted customers' confidence in our products ”



As part of their stringent quality policy, the Quality Assurance Department typically tests:

- | Purity of Copper wires.
- | Coating thickness measurement of Silver, Nickel and/or Tin over Copper wire.

In the past, Raviraj was relying on the test reports submitted by their suppliers. After the introduction of Hitachi High-Tech's Coating Thickness Analyser – X-Strata920, based on the X-ray Fluorescence (XRF) technology, Raviraj was able to do necessary quality checks on incoming materials in-house. Additionally, Raviraj is also able to test its intermediate products which obtain better in-process quality control. This microspot XRF allows Raviraj to analyse components, solder and finishes throughout the facility, ensuring quality at every step. This enables to maintain operations in tight tolerance to ensure high quality and avoid costly re-work.

Raviraj Process Controls extensively uses the X-Strata920 for testing of coating thickness of Silver, Tin and Nickel over copper wires as per MIL-16878 standard. High degree of accuracy and precision of the X-Strata920 helps to gain customers' confidence.

## TECHNOLOGY THAT INSPIRES THE BEST

According to Prashant Mungekar, General Manager, Raviraj Process Controls "the X-Strata920 fulfils high quality requirements of our products and as a user friendly instrument it is operated with ease and convenience with just basic training. It is price competitive and with low operative costs. The Hitachi High-Tech team's expertise and guidance helps us to use the instrument to its fullest capabilities and advantages and make most out of the cutting edge technology."

Prashant Mungekar continues, "The results obtained from the X-Strata920 form a part of our final documents submitted to our end customer, we are now able to control process parameters and quality of our products. The output results generated through the X-Strata920 boosts the confidence of our customers."



**X-Strata920 in operation**

**IF YOU'D LIKE TO SEE THE X-STRATA920 ANALYSER IN ACTION VISIT  
[WWW.HITACHI-HIGHTECH.COM/HHA](http://WWW.HITACHI-HIGHTECH.COM/HHA) OR BOOK A DEMO**

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### **X-STRATA920 FOR RELIABLE COATINGS ANALYSIS**

X-Strata920 is designed to measure single-layer and multi-layer coatings – including alloyed layers – for both the electronics and metal finishing industries. Our in-house applications experts have optimised the X-Strata920 to ensure you get reliable, repeatable results for hundreds of applications.

Where every mil or micron counts, the X-Strata920 gives you the precision and reliable results you need.

