

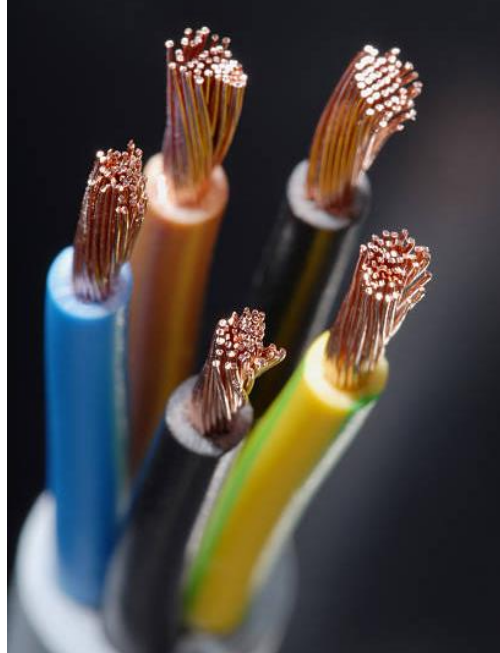
CASE STUDY

Industrial Radiography

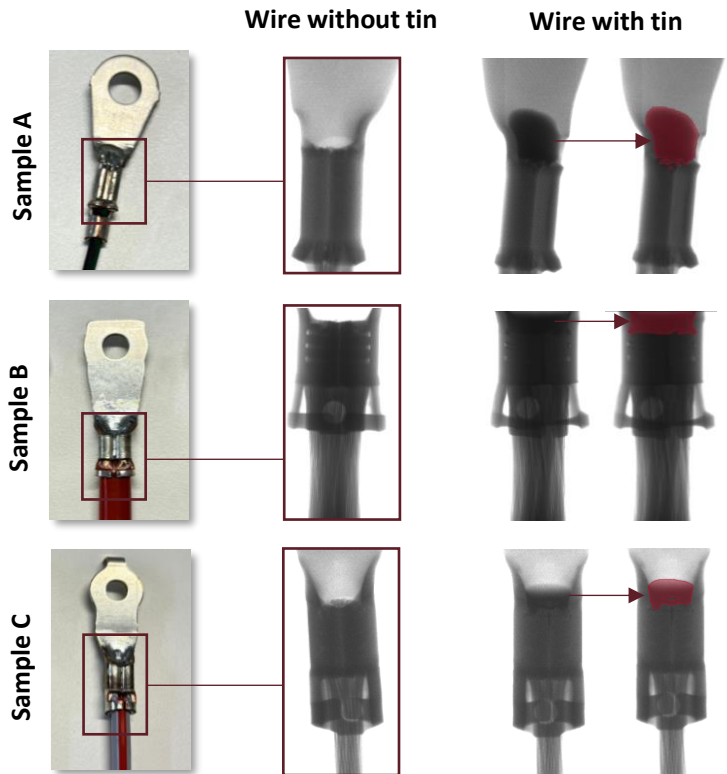
Industrial radiography is a non-destructive testing method that uses X-rays to inspect the internal structure of materials for defects without causing any damage. By passing radiation through an object and capturing the resulting image on a detector, this technique reveals internal flaws like cracks or voids, which is vital for industries where material integrity is critical, such as aerospace and construction.

AIM

To evaluate the presence and distribution of tin within electrical wires of different thicknesses using X-ray images.



RESULTS



CONCLUSION

X-ray inspection is essential to guarantee the quality, safety, and reliability of wires. It helps detect hidden defects, supports compliance with stringent standards, and enhances manufacturing processes, ensuring product quality and customer satisfaction.