

1.4.18. ADVANCING PRODUCTIVITY IN PORTABLE X-RAY INSPECTION

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As one of the most important NDT techniques, X-ray inspection has not only a long history with indeed many fields of use; it is the technology with the biggest risk to safety and environmental concerns. All in front are applications that demand flexible use of portable x-ray equipment in various places with many different inspection setups.

This abstract is making the effort to explain the idea of new productivity features for the portable x-ray inspection, helping inspection businesses to improve setup performance and allowing them to use efficient tools to reduce overhead factors in inspection planning, execution and evaluation. The usage of tools and procedures that facilitate assisted reporting, workflow management and performance monitoring is validated and their impact on productivity discussed.

It further evaluates criteria like exposure time, penetration performance and leakage radiation aspects and assesses their contribution to overall productivity.