

ABSTRACT

Provided are an inspection method, and an inspection system including: at least one ray source (100); a detector assembly (200) and a conveying device (300) for carrying a to-be-inspected object (10). At least one ray source (100) and the detector assembly (200) may move in a traveling direction relative to the conveying device (300), so that the to-be-inspected object (10) may enter an inspection region (30). When viewed along a central axis (AX) of the inspection region (30), at least one ray source (100) may translate between scanning positions, and a translation distance of at least one ray source (100) between two adjacent scanning positions is greater than a spacing between adjacent target spots (120) of each ray source (100). When at least one ray source (100) is located at one scanning position, at least one ray source (100) and the detector assembly (200) move in the traveling direction relative to the conveying device (300) and at least one ray source (100) emits X-rays. After moving a predetermined distance, at least one ray source (100) translates to another scanning position.