direction) to the third scanning position. As shown in FIG. 4C, the two ray sources 100 at the third scanning position may cover a third scanning angle. When the two ray sources 100 are located at the third scanning position, target spots 120 of the two ray sources 100 may sequentially emit X-rays in a predetermined order, while the conveying device 300 may transport the object to be inspected through the inspection region again. Then, the inspection system may complete a scanning process at the third scanning position.

[0120] Through three scanning processes of the ~~three~~ two ray sources 100 at the first to third scanning positions, as shown in FIG. 4D, the inspection system may combine the scanning angle at the first scanning position, the scanning angle at the second scanning position and the scanning angle at the third scanning position to generate a combined scanning angle. Therefore, the combined scanning angle generated by the inspection system through the rotation of the two ray sources 100 between the three scanning positions is equivalent to a scanning angle generated simultaneously by six ray sources 100.

[0121] As described above, the inspection system includes a plurality of ray sources 100. However, embodiments of the present disclosure are not limited thereto. In some embodiments, the inspection system may include one ray source 100. In some embodiments, the ray source 100 may have six scanning positions. FIG. 5 shows a schematic diagram of one ray source according to some embodiments of the present disclosure, in which a superposition state of one ray source at first to sixth scanning positions is shown. For the rotation of one ray source 100 between different scanning positions and the plurality of scanning processes, reference may be made to each ray source 100 described above, and details will not be repeated here. Through six scanning processes of one ray source 100 at the first to sixth scanning positions, as shown in FIG. 5, the inspection system may combine the scanning angle at the first scanning position, the scanning angle at the second scanning position, ... and the scanning angle at the sixth scanning position to generate a combined scanning angle. Therefore, the combined scanning angle generated by the inspection system through the rotation of one ray source 100 between the six scanning positions is equivalent to a scanning angle generated simultaneously by six ray sources 100.

[0122] According to some embodiments of the present disclosure, the inspection system may splice out a virtual ray source having a combined scanning angle through the rotation of the one or more ray sources 100 between different scanning positions. In an exemplary embodiment, the rotation of the one or more ray sources 100 of the inspection