

ABSTRACT

A meat inspection system (1000) and a meat inspection method. The system (1000) comprises: a conveying device (10) defining a conveying channel (110) for conveying a meat product (20), wherein the meat product (20) moves in a conveying direction (D) on the conveying channel (110); a ray source (30) configured to emit a ray beam (R) towards the conveying channel (110), wherein the ray beam (R) crosses the conveying channel (110) in a transverse direction (L) relative to the conveying direction (D); a detector (40) configured to receive the ray beam (R) to respectively generate a first detection signal and a second detection signal, wherein the first detection signal and the second detection signal correspond to radiation of different energy ranges; and a processor (60) configured to generate a first transmission image and a second transmission image on the basis of the first detection signal and the second detection signal detected by the detector (40), and generate a transmission scanning image of the meat product (20) on the basis of the first transmission image and the second transmission image, thereby calculating a quantitative indicator of the meat product (20) so as to grade the meat product (20).

[Figure 1]