ABSTRACT

Provided are a tray moving device and an inspection system. The tray moving device includes a conveyor line, a tray pushing mechanism, and a first detection mechanism. The conveyor line is configured to convey a tray carried thereon in a first direction. The tray pushing mechanism includes a driving part and a pushing part connected to each other; the pushing part is on a side of the conveyor line, and the pushing part is configured to be driven by the driving part to push the tray at a predetermined position in a second direction intersecting the first direction. When the pushing part reaches an end point of a pushing stroke thereof, the tray is pushed to leave the conveyor line, and a position of the end point is associated with a geometric property of the tray, such that the pushing stroke meets a predetermined requirement.