

Abstract

The present invention provides an inspection system which inspects a container (1) which is unloaded from a ship and is to be loaded in a load space; the inspection system including: a laser scanner (10) which scans an exterior shape of the container (1) by emitting a laser beam to the container (1) to be loaded in the load space; and a control device which receives scan data obtained by the laser scanner (10) and forms a three-dimensional image of a scanning target from the received data, in which when the crane moves the container (1) upward to load the container in the load space, the laser scanner (10) is configured to scan the exterior shape of the container (1) by sequentially emitting the horizontal laser beams at a height at which the laser scanner (10) is installed, and receiving the reflected laser beams, and the control device forms a three-dimensional image related to a contour of the container (1) from the data received from the laser scanner (10), determines an unreleased twistlock cone and creates an alarm signal when it is determined that there is an image of a portion protruding from a profile of a lower end of the container.

[Representative Drawing]

FIG. 4