

[Document Name] Abstract

[Abstract]

An automatic tableware washing system is provided in which, in a state where tableware are transported on a conveyor at three-dimensionally different angles, the type and the state of each tableware is determined, and the tableware are safely picked up by a robot and can be placed in predetermined storage positions.

An automatic tableware washing system according to the embodiment of the present invention comprises: a tableware input section; a tableware washing section; a tableware transport section; a tableware information acquisition section for identifying tableware and acquiring information on the tableware; a tableware placement section; and a tableware pick-up section, wherein the information acquired by the tableware information acquisition section includes at least one of a type of the tableware, size of the tableware, a shape of the tableware, color of the tableware, a position of the tableware, posture of the tableware, orientation of the tableware, a marker of the tableware, or a code of the tableware, and wherein when the tableware information acquisition section identifies the tableware being transported by the tableware transport section, the tableware pick-up section picks up the tableware according to a state of the tableware on the basis of the information acquired by the tableware information acquisition section.