

MACHINING APPARATUS AND METHOD FOR MANUFACTURING MACHINED

ARTICLE

ABSTRACT

The present invention is configured to store a diced workpieces into a tubular container, while eliminating the need for an actuator mechanism for moving the machining table holding the workpiece, and includes: a machining table that holds a workpiece; a first pickup mechanism that holds the workpiece to transport the workpiece to the machining table; a machining mechanism that cuts the workpiece held on the machining table to dice it; a transfer table onto which the workpiece diced by the machining mechanism is transferred; a second pickup mechanism that holds the diced workpiece to transport the diced workpiece from the machining table onto the transfer table; a transport actuator mechanism that includes a shared transfer shaft for moving the first pickup mechanism and the second pickup mechanism, and extending in a direction in which the machining table and the transfer table are arranged; a machining actuator mechanism that moves the machining mechanism on a horizontal plane, in a first direction extending along the transfer shaft and a second direction orthogonal to the first direction; a container setting unit where a tubular container for housing the diced workpiece through an one-end opening is set; and a transport and storage mechanism that transports and stores the diced workpiece from the transfer table to the tubular container set in the container setting unit.

Fig. 1