

MACHINING APPARATUS AND METHOD FOR MANUFACTURING MACHINED

ARTICLE

ABSTRACT

The present invention is configured to prevent splashing of machining fluid with a simplified apparatus structure with a smaller footprint, and includes: machining tables 2A, 2B that hold a sealed substrate W; a first pickup mechanism 3 that holds the sealed substrate W to transport the sealed substrate W to the machining tables 2A, 2B; a machining mechanism 4 that machines the sealed substrate W held on the machining tables 2A, 2B; a transfer table 5 onto which a plurality of products P are transferred; a second pickup mechanism 6 that holds the plurality of products P to transport the plurality of products P from the machining tables 2A, 2B to the transfer table 5; a transport moving mechanism 7 that includes a shared transfer shaft 71 for moving the first pickup mechanism 3 and the second pickup mechanism 6 and extending in a direction in which a machining table 2A, 2B and a transfer table 5 are arranged; a machining moving mechanism 8 that moves the machining mechanism 4 on a horizontal plane, in an X direction extending along the transfer shaft 71 and a Y direction orthogonal to the X direction; a machining fluid supplying mechanism 12 that is moved with the machining mechanism 4 by the machining moving mechanism 8, and that discharges machining fluid onto the machining mechanism 4 from a front side in a machining feed direction SD; and a machining fluid splash preventing mechanism 24 that is provided on a rear side of the machining mechanism 4 in a machining feed direction SD that covers above the machining mechanism 4 to a level lower than a top surface of the machining tables 2A, 2B to prevent splashing of the machining fluid.

Fig. 4