

ABSTRACT

A cutting apparatus includes a table, a cutting mechanism, a holding mechanism, and a water separation and discharge mechanism. The table or the holding mechanism is connected to a dry vacuum pump via a suction route. The water separation and discharge mechanism is located on the suction route and discharges water via a drainage route. The water separation and discharge mechanism includes a first tank, a second tank, and a valve mechanism. The first tank includes a partition plate that partitions the first tank into a region in which a connection port for the vacuum pump is located, and a region in which a connection port for the table or the holding mechanism is located. A gap is formed above the partition plate in the first tank. A valve mechanism changes between a first state in which water flowing from the first tank into the second tank is stored in the second tank, and a second state in which water is stored in the first tank and water stored in the second tank is discharged.

Fig. 1