

A B S T R A C T

Provided is a filtration device capable of more efficiently treating foreign matters contained in a liquid discharged from a machine tool. According to one aspect of the present invention, a filtration device includes a tank portion including a first tank to which a liquid containing foreign matters flows, and a pump provided at a central portion of the first tank to discharge the liquid stored in the first tank. The first tank includes a bottom surface, four side surfaces connected to the bottom surface, four corners to which the bottom surface and two of the four side surfaces are connected, and four inclined surfaces covering the four corners. The four inclined surfaces are inclined to be close to the bottom surface from a connecting portion to which the two side surfaces are connected toward the central portion, and a vortex flow is generated in the first tank by the liquid flowing into the first tank to collect the foreign matters in the central portion of the first tank and discharge the foreign matters by the pump.

Fig. 3