

ABSTRACT OF THE DISCLOSURE

A wire-cut electrical discharge machine for machining a workpiece using a wire electrode tensioned between a first and second wire guide, in a state wherein the gap between the wire electrode and the workpiece is filled with a machining fluid, is provided with a work tank (WT) which holds the workpiece (WP), a guide mechanism (N) which guides the movement of a first wire guide (14) in an X-Y plane formed by mutually perpendicular X and Y axes arrayed within the work tank, and a sealing member (16) which covers the guide mechanism (N) and blocks against leakage of machining fluid from the work tank (WT); the sealing member (16) is connected to a pressurized fluid supply device (401, 402, 403, A1, A2) for the purpose of supplying a pressurized fluid therein, and the pressurized fluid supply device responds to a signal from a sensor (404) mounted on the sealing member (16) which detects fluid pressure, thus regulating the pressure inside the sealing member to be the same as the external fluid pressure of the pressurized machining fluid.