

WATER JET PROCESSING APPARATUS

ABSTRACT OF THE DISCLOSURE

A water jet processing apparatus including a jetting unit provided with a jetting nozzle jetting pressurized liquid to a workpiece, and a nozzle determination section determining a diameter or an area of the jetting nozzle. The jetting unit has a pump pressurizing liquid in response to a rotational speed of a motor. The nozzle determination section includes a motor rotational speed storing section in which rotational speeds of the motor necessary to jet the liquid from a jetting port of the jetting nozzle at a predetermined pressure are stored by diameter or area of the jetting port of the jetting nozzle, and a determination section determining, from the rotational speed of the motor at the time of jetting the liquid at a predetermined pressure from the jetting nozzle, the diameter or the area of the jetting port of the jetting nozzle from which the liquid has been jetted.

[FIGURE 1]