

ABSTRACT

AUTOMATIC DRIVING AND ACCURATE POSITIONING DRILLING ROBOT

The present invention relates to the technical field of drilling equipment, and in particular, to an automatic driving and accurate positioning drilling robot, including an unmanned ground vehicle. A top portion of the unmanned ground vehicle is provided with a laser radar for drawing a map and navigation, a front side and a rear side of the unmanned ground vehicle are respectively provided with front ultrasonic sensors and rear ultrasonic sensors for anti-collision perception, a manipulator is arranged on the unmanned ground vehicle, and a percussion drill is arranged on the manipulator. In a drilling process, map drawing and navigation are conducted through the laser radar, the ultrasonic sensors assist in navigation.

Figure 1