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(57) Abstract :

A fitting installation device comprises of a cuboidal body 1 arranged with multiple wheels 2 that provides movement to body 1, multiple telescopic bars 3 for lifting body 1, a slot 4 for placing pipe that is to be installed, a robotic arm 5 for picking placed pipe, a display panel 6 to input details regarding positioning on the pipe at which fitting is to be installed, an imaging unit 7 evaluating the user selected position, a cutter 9 positioned with column 8 for making a cut on the pipe, a robotic gripper 10 for withdrawing and placing a user specified fitting from a rack 11 stored with multiple fittings, a wrench 12 for installing fitting within the cut, a leakage detection module 13 for detecting any leakage on the pipe and a speaker 14 for alerting user about leakage.

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