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(57) Abstract :

A pipe cutting assistive device, comprises of a platform 1 positioned on a ground surface to accommodate a pipe that is to be cut, a touch enabled screen 2 accessed by a user to input commands regarding angle and length at which pipe is to be cut, a camera 3 to detect total length and thickness of the pipe, plurality of pneumatic pins 4 to extend as per detected thickness of pipe, motorized hinges 5 configured with each pins 4 to bend and grip the pipe over platform 1, a motorized disc 6 configured via a slider 7 to translate and position the plate 10 at the determined area of the pipe, a pair of primary and secondary rods 7, 8 installed at plate 10 to make a gap and a speaker 9 to notify the user to move a cutting saw in between the gap for cutting the pipe.

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