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(57) Abstract :

The present invention relates to a workpiece holding device, comprising a platform 1 attached with multiple motorized omnidirectional wheels 2 for providing movement on a ground surface, a multi-sectioned chamber 4 attached on platform 1 stored with multiple workpiece and crafted with inlet 5 for withdrawing workpiece from chamber 4, a touch interactive display panel 6 install on platform 1 for taking user input regarding workpiece number that are to be held along with type of operation that wants to perform, a telescopic pusher 7 attached within inlet 5 of chamber 4 for withdrawing user-specified number of workpiece, an inverted U-shaped frame 8 arranged in continuation of chamber 4 for receiving withdrawn workpiece, an artificial intelligence based imaging unit 10 installed on inlet 5 for detecting center of mass of work piece, and a speaker 12 installed on platform 1 generate voice command to notify user to perform user-specified operation.

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