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(57) Abstract :

A workpiece cutting assistive device, comprising a platform 1 configured with plurality of wheels 2 to provide movement to platform 1, a plate 3 to receive first-workpiece from user, a display panel 4 to allow user to point-out the desired location to place second-workpiece, a sliding unit 5 for placing the first-workpiece under a U-shaped frame 6, an imaging unit 7 to detect successful alignment of workpiece, a telescopic rod 8 configured with a cylindrical member 9 to align the member 9 over first-workpiece, an acuity laser sensor 11 for detecting diameter of workpiece, an pulley arrangement to cover first-workpiece, plurality of pins 12 each configured with touch sensors to provide a notch structure of first-workpiece, disc 13 to receive second-workpiece, a projection unit 14 for outlining of second-workpiece, a robotic arm 15 configured with a cutter 16 for successful cutting of second-work piece to form notch on second workpiece.

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