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(57) Abstract :

The present invention relates to an automated wooden axe cutting device comprising of a platform 1 integrated with a first ultrasonic sensor 3 which provide the space for the wooden block 2 and sensor 3 measures the height of the wooden block 2, a telescopic rod 4 configured with slidable blade 5 which ensure the retraction or extension according to the height of the wooden block 2, an artificial intelligence image capturing module 8 fabricated on the connecting means 6 to capture the multiple images of the wooden surface, a computing unit 9 configured with a user interface which allow the user to input the position of the cut on the wooden block 2, a second ultrasonic sensor 10 for measuring the density of the block 2, a telescopic bar 11 arranged with a hitting unit 12 to hit the bar 11 with specific speed and pressure.

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