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(57) Abstract :

An automated wooden box crafting device comprises of a housing 1 developed to be positioned on a fixed surface, a touch interactive display panel 2 installed with the housing 1 for selecting a design pattern of a wooden box which is to be crafted, a pair of robotic arms 3 arranged within the housing 1 for gripping a wooden slab stored within a multi-sectioned chamber 4 arranged within the housing 1, an artificial intelligence-based imaging unit 5 installed within the housing 1 to determine dimensions of the slab, a telescopically operated bar 6 arranged at ceiling of the housing 1 via a motorized dual slider 7 to translate the bar 6 for positioning the blades 8 ranging from 4 to 6 in numbers integrated on the bar 6, and a motorized gripper 9 arranged within housing 1 for folding the slab to form the user-specified design pattern of box.

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