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(57) Abstract :

An automatic false ceiling construction device comprises of a housing 1 located inside an enclosure, a touch enabled screen 2 to input a design of the false ceiling, an artificial intelligence enabled image capturing module 3 to capture images of ceiling, a telescopically operated gripper 4 to clasp and operate a motorized cutter 5, a chamber 6 to store multiple screws, a mechanical arm 7 to grip and place the screws on the channels, a primary robotic arm 8 to grip and position a drilling unit 9 to fasten the screw between the channels and the ceiling, a rack 10 to store multiple gypsum board and a secondary robotic arm 11 equipped with a cutting unit 12 to cut the fixed gypsum board as per user-defined pattern.

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