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(57) Abstract :

An automatic drawer slides installation device for cabinets comprising a platform developed to be positioned on a fixed surface, a chamber 1 segregated into plurality of compartments for storing different sizes of guide rails, drawer members and screws, a touch enabled screen 2 mounted on platform enters command regarding initiation of a drawer slide installation process along with dimension of drawer box that is be installed within cabinet, a camera 3 mounted on platform detects cabinet, a pair of hydraulic actuators assembled with a trapezoidal member 4 supports slides, a bubble water level meter mapped on member 4 detects member 4 angle, a hinge joint configured with actuators and platform maintains orientation of member 4, a pair of robotic arms 5 mounted on platform positions guide rail over member 4, and a motorized drilling unit 6 mounted on platform via a telescopic rod secures guide rail on wall of cabinet.

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