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(57) Abstract :

The present invention relates to a workpiece joining assistive device, comprises of a cylindrical body 1 positioned by a user over a first workpiece that is joined with a second workpiece, a handle for allowing user to manipulating placement of body 1 over first workpiece, an imaging unit 2 for detecting dimensions of first workpiece, multiple telescopic pins 3 for extending towards surface of first workpiece, a touch sensor installed on each of pins 3 for detecting contact of the pins 3 on the surface, an IR (Infrared) based transceiver 4 for detecting successful insertion of second workpiece, a motorized sliding unit 5 configured with a motorized cutter 6 for positioning cutter 6 on second workpiece, a display panel 7 for allowing user to input details regarding type of joint 9 that user desires to create and a motorized grinder 8 for positioning grinder 8 on second workpiece.

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