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(57) Abstract :

An assistive device for construction work comprising a body 1 arranged with a pair of bars 2 to be installed over a surface, a display panel 3 mounted on body 1 for entering details regarding type of surface, an imaging module 4 in synchronization with an optical thickness sensor is integrated on body 1 for detecting dimension of surface, a pair of suction cups 5 arranged on body 1 for adhering body 1 to surface, a set of sensors installed in body 1 for detecting corrosion/moisture content of surface, a pair of rods 6 assembled with a pair of plates 7 for providing additional support to body 1, multiple rings 8 crafted with an iris lid 9 is configured on body 1 for tying a rope to perform required operation and a locking lever 10 installed to bars 2 and connected with rods 6 for locking of rods 6.

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