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(57) Abstract :

An automated metal sheet bending device comprises of a rectangular platform 1 having a first and second end of the platform 1, a base 2 for providing a support to the platform 1, an artificial intelligence enabled image capturing module 3 to decode height of the metal sheet, a motorized slider 4 for translating and positioning the base 2 appropriately over the metal sheet, an L-shaped telescopically operated bar 5 equipped with a motorized omnidirectional wheel 6 for maneuvering the platform 1, an L-shaped telescopically operated rod 7 equipped with a roller 8 in order to properly settle the sheet on the work piece, and a plate 9 a motorized hinge 10 for moving the plate 9 towards and away from the side of metal sheet in order to bend edges of the metal sheet for fixing the metal sheet with the workpiece along the length of workpiece.

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