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(54) Title of the invention : AUTOMATED METAL BENDING DEVICE

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(57) Abstract :

An automated metal bending device comprising, a pair of sheets 2, 4 fabricated on a frame 1 to provide a platform for placing a metallic component, a plate 5 for holding the metallic component, the motorized lead screws 6 facilitates movement of the plate 5, an Artificial Intelligence (AI) camera 7 to capture images of the metallic component, the microcontroller adjusts the motorized lead screws 6, a motorized piston unit 13 for uplifting the second sheet 4 in order to bend the metallic component, atleast two pins for gripping the component, the sliding unit adjusts position of the pin, a telescopically operated heating gun 11 for assisting in bending of the metallic component by providing heat, the slider 10 provides movement to the heating gun 11, and a pressure sensor 9 for measuring pressure applied on the metallic component, the controller actuates the heating gun 11. Ref Figure 1.

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