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(57) Abstract :

A metal workpiece cutting assistive device, comprises of a U-shaped body 1 developed to be positioned on a fixed surface and configured with a plate 2 that is manually placed with a metal workpiece to be cut, a touch enabled screen 3 is installed on the to give input commands regarding a length of the workpiece to be cut, a camera 4 mounted on the body 1 on the body 1 for capturing multiple images of the workpiece, an L-shaped member 6 installed with the body 1 via a motorized slider 7 for translating the user-defined length of the member 6 away from the body 1, and a laser projection unit is mounted on the body 1 for projecting a laser beam on the workpiece for guiding the user to cut the workpiece via a cutting tool held by the user.

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