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(54) Title of the invention : AUTOMATED METAL PROCESSING MACHINE

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(57) Abstract :

An automated metal processing machine comprises of housing 1 to make various objects from metal, a scanning unit 2 mounted over housing 1 to scan image, telescopic motorized clamp 3 attached at first portion 4 to clasp metal, a sensor 7 installed over clamp 3 detects metal's thickness, material, heating chamber 5 fabricated with coils 6 placed at first portion 4 to heat metal, gripper 8 to place metal over anvil 9, an illuminating unit 10 paired with anvil 9 illuminates light over metal, a hammer unit 11 installed in proximity of anvil 9 via ball and socket joint 12 to hammer on metal, a light detection sensor 13 paired with hammer 11 senses light over metal, an AI-image capturing module 15 mounted within housing 1 capture images, rollers 16 arranged within housing 1 to inclined metal, water container 17 arranged at second portion 18 to provide metal finishing.

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