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(57) Abstract :

An automatic evacuator bucket restoration device characterizes a platform 1 installed with a sensing module for determining arrangement of adapter arranged over bucket 2 for restoring damaging area, primary robotic arms 3 installed over platform 1 via ball and socket arrangement 4 for picking up bucket 2, a series of clamping units 5 fabricated with magnets 6 for clamping bucket 2 magnetically in secured position, secondary robotic arms 7 arranged over platform holds gauge holding torch 9 while other arm 7 takes an electrode rod 10 for dispensing container 11 mounted over platform 1 for affixing electrode 10 with torch for performing arc air gauging forcing to remove damage portion, a robotic welding torch 12 feeds continuous flow of coated wire between adapter and bucket 2 to prepare solid elastic arrangement and a rack 13 having grinder 14 and wire tools 15 for scrubbing welded area.

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