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(57) Abstract :

ABSTRACT In industries for manufacturing and other industrial purpose robotic arms are used widely. Implementation of functionality of complex automation systems in industries are done by robotic arms which are achieved by humans. Robotic arms are functioned for picking the parts and placing the parts in the packaging box inconsiderable of the weight of the box. The proposed invention develops the design of a fully automatic robot arm which has to be fabricated for automating different tasks of the industries. The design of the robotic arm includes the assembled structure of mounts along with the parts for holding the motors in their respective place for achieving the desired movement. The design consists of a gripper with gear teeth such that gripping function is achieved as per the rotation of the motor. Five motors are required for achieving the movement of the robotic arm. The movement is controlled by the circuit based on the controlling buttons. The flow of control of the robotic arms in the industries is done by the mechanism of the process of fabrication.

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