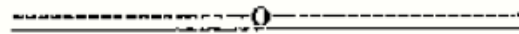


TITLE: A Robotic Arm that uses two PIC microcontrolled stepper motors

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This project demonstrates a real world application of a robotic arm using PIC microcontrolled stepper motors. The robotic arm was chosen as the application since it demonstrated how an arm of this sort can be utilized to perform a relatively simple but useful function. In order to make the arm functional a proper understanding of the stepper motor and the PIC basic programming language was required. The arm was designed to lift a small object from an initial position, move and drop the object to a specific location. It was able to lift the small object from an initial position, move and then drop the object to a specific location and then return to the initial position when tested.