Synopsis: Four axis material handling robot

Application robots are being used worldwide to increase quality and meet production requirements.

Material Handling Robots:

A material handling robot moves, selects or packs products. These robots are also used to automate feeding or disengaging parts or tools from one location to another.

By choosing to automate with a material handling robot, manufacturers raise the safety level of their facilities. Material handling is usually tedious, dull and sometimes injury-inducing. Material handling robots get human workers out of the tedium and into more fulfilling jobs in the company. Material handling robots will enhance the efficiency of production line and better the quality of product.

An example of four axis robots

Our objective is to build such robotic concept with respect 4 axis movement there by it ease the process, four axis movement robot will be advantageous in the material handling area.

We attempt to make a proto model on demonstrating the four axis material handling equipment which can be developed further based on the industrial need, our aim to ensure the four different axis in the robotic arm movements which can be controlled through mechatronics.

Basic knowledge on robotic and mechatronics will show the proved advantage over it.