

ROBOTIC OBJECT MOVING SYSTEM AND METHOD FOR MOVING OBJECT WITH UNKNOWN WEIGHT DISTRIBUTION

ABSTRACT OF THE DISCLOSURE

The present disclosure provides a robotic object moving system including an image retrieving module, an image processing module, a pickup module, a sensing module and a control module. The image retrieving module obtains an image of an object. The image processing module processes the image to determine a pickup position of the object. The pickup module picks up the object at the pickup position. The sensing module senses a sensor data in at least two dimensions corresponding to the pickup module. The control module determines whether to adjust the pickup position based on the sensor data by using a first pre-trained model, wherein the control module adjusts the pickup position for obtaining an adjusted pickup position based on the sensor data by using a second pre-trained model, and the pickup module picks up the object at the adjusted pickup position.

FIG. 1