

ROBOTIC HAND

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ABSTRACT

The human hand is a very complex grasping tool that can handle objects of different sizes and shapes. Different grasping style is needed in order to fully bind the object to the hand and not loose down because of not-properly grasp position. Many researchers have been done to develop a human-like robotic hand.

In this paper the mechanism and design of a robotic hand, with the capability to manipulate its grasping style is discussed. The project is to create a robotic hand that is similar to the human hand, four fingers and a thumb, also a movement and manipulation ability that close to human hand.

Keyword: robotic hand, hand mechanism and structure.