

Title A study of types and structure of robot controlled by CNC machine

By Mr. Worasethe Teerapansakul

Mr. Kittiporn Surongwan

Abstract

The objectives of this study are to study the model and structure of small robot at education scale and probably be constructed in the future. Under this project, basic knowledge and structure in various models have been studied including application in industries, control software used. Working principle of servo motor and control board using personal computer has been studied and explored. After that typical robot that have been widely used in industries are designed by using Rhinoceros which is CAD software to assist designing. Simulation has been done in order to how the robot works to emulate the real machine. It is expected that the information obtained will be worth in further studying and constructing the small robot in education study.