Annotation

The diploma project provides ways to develop a design with artificial muscles of a smart and flexible holding device for industrial activities. Various sensors have been selected to improve its flexibility and functionality. A 3D printer was also used for its Assembly. The Arduino IDE program was chosen as the basis, and the necessary algorithms were written in this environment. The technical characteristics and relevance of each attached part were also considered. Currently, the region is working on modernization and modernization of equipment.This diploma project presents calculations on life safety and technical and economic indicators.