CONCEPT AND DESIGN OF A BIOMECHANICAL SYSTEM FOR THE HUMAN ARM

There are more than 60 years that has been carried on research on biomechanical system for the human arm. The purpose is to make an easier life for people who lack their arm.

This study evidences main aspects related to the design and manufacture of a prototype for human arm prosthesis as follows: kinematic and kinetostatic analysis of hand fingers; 3D modeling of the biomechanical system; hardware – software platform; FDM printing; preliminary tests on the prototype subasseemblies.