

Design and fabrication of a die for molding test press

Abstract

This project aims to design and fabricate an die for molding test press. Mold Test Press Machine uses the concept of Compression Molding/Hot Press Molding. This project will be handled from the beginning of the design until the mold goes through the trial process. The design will generate by using CATIA engineering software. The NC code for fabrication process will generate also by using CATIA software in prismatic mode. After the fabrication processes are completed, it will go through the test and trial procedures to make sure the design of the mold is able to make a specimen pot. It will use as a test specimen for mechanical testing in research and development programs and also for education purpose.